

Fig.1

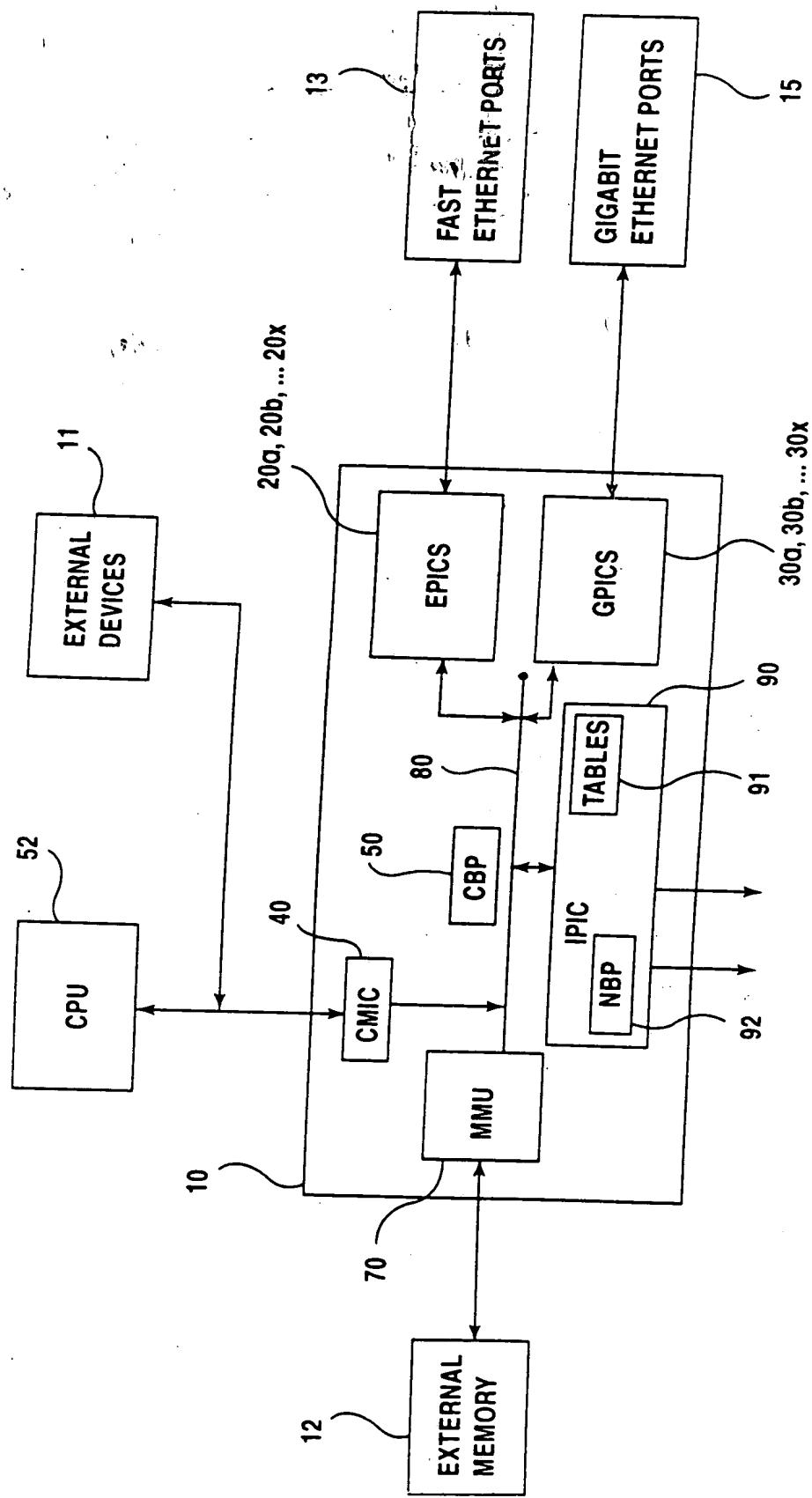


Fig.2

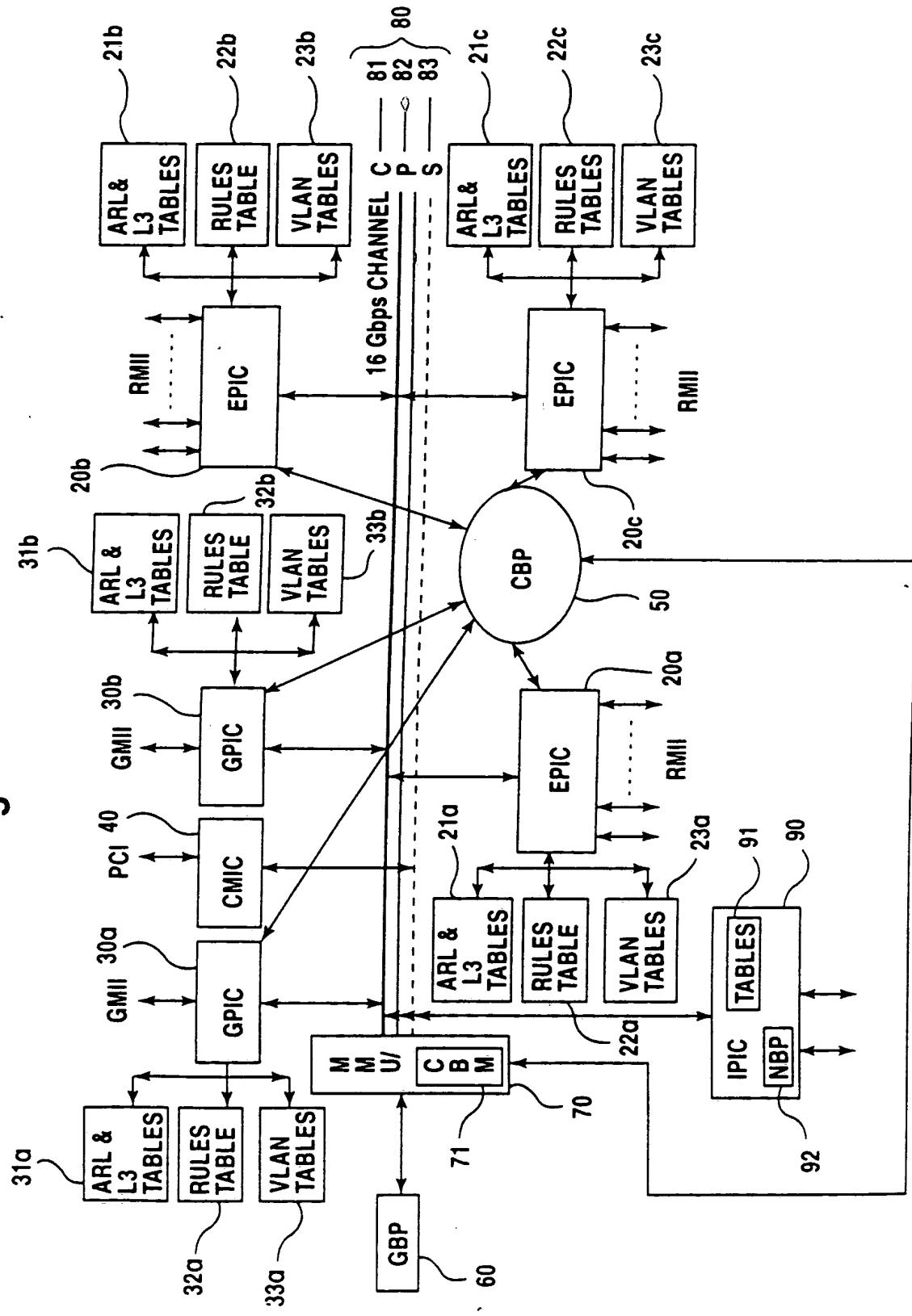
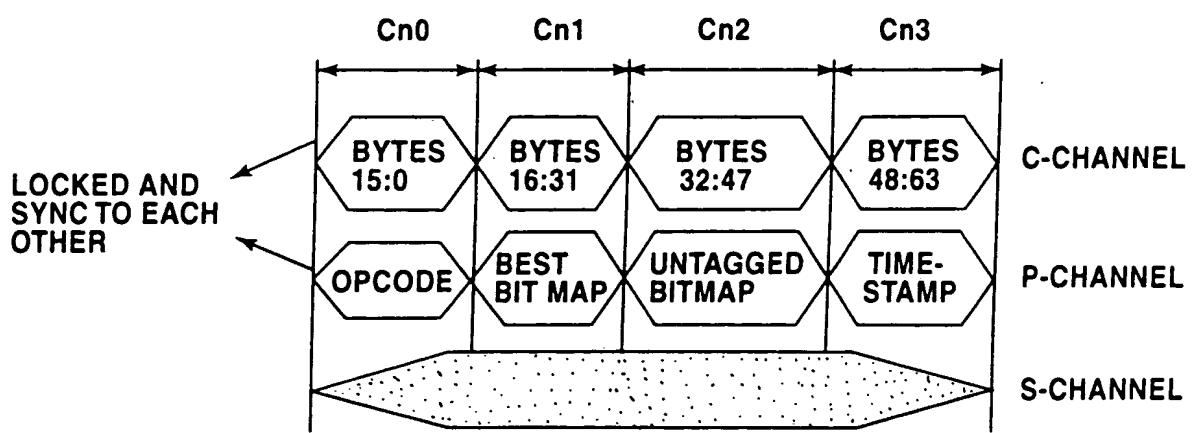


Fig.3



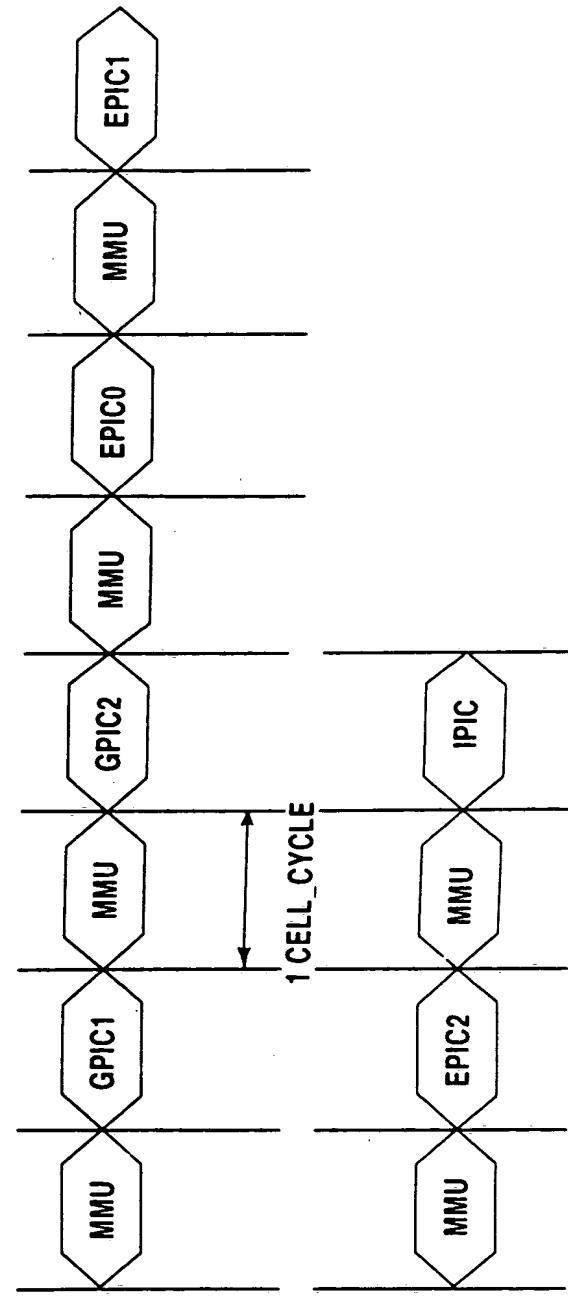
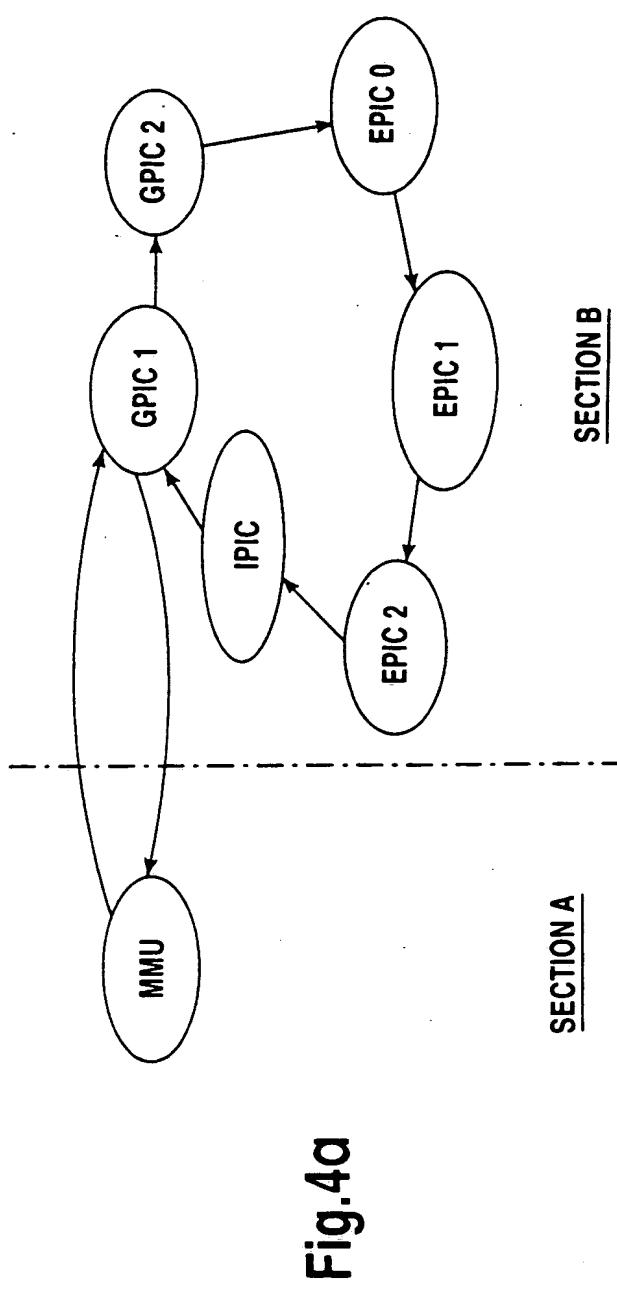


Fig.5

## PROTOCOL CHANNEL MESSAGES

Fig.6

**Fig.7**  
PRIOR ART

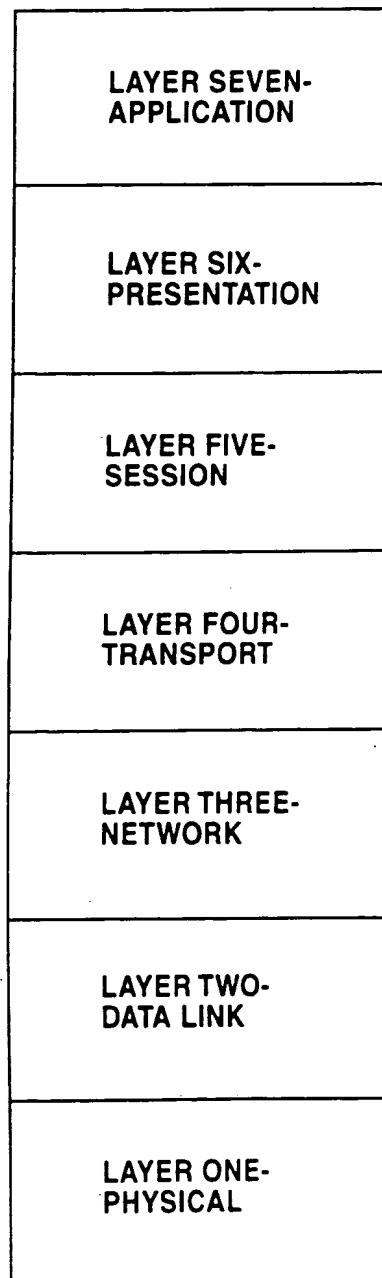
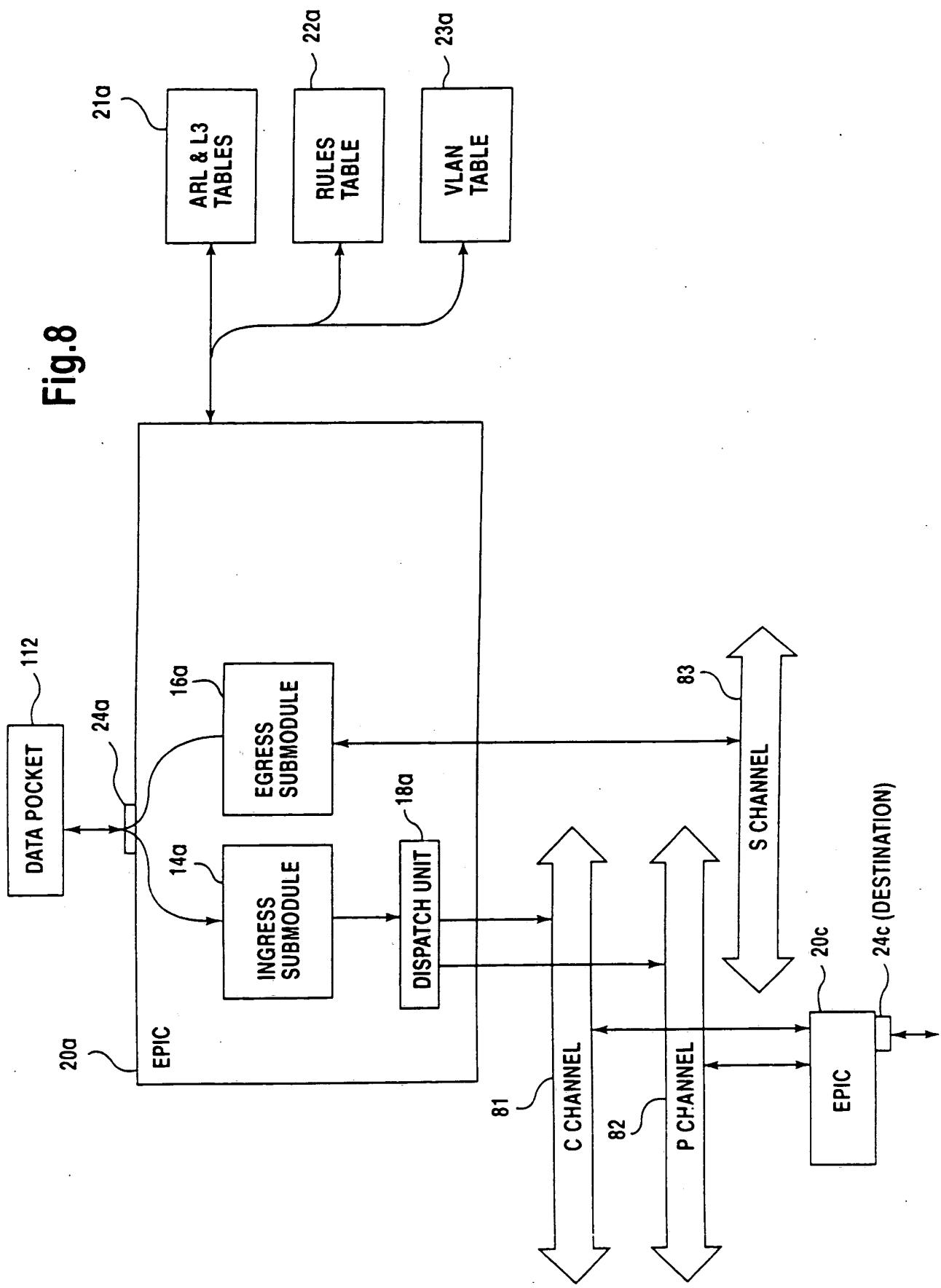


Fig.8



**Fig.9**

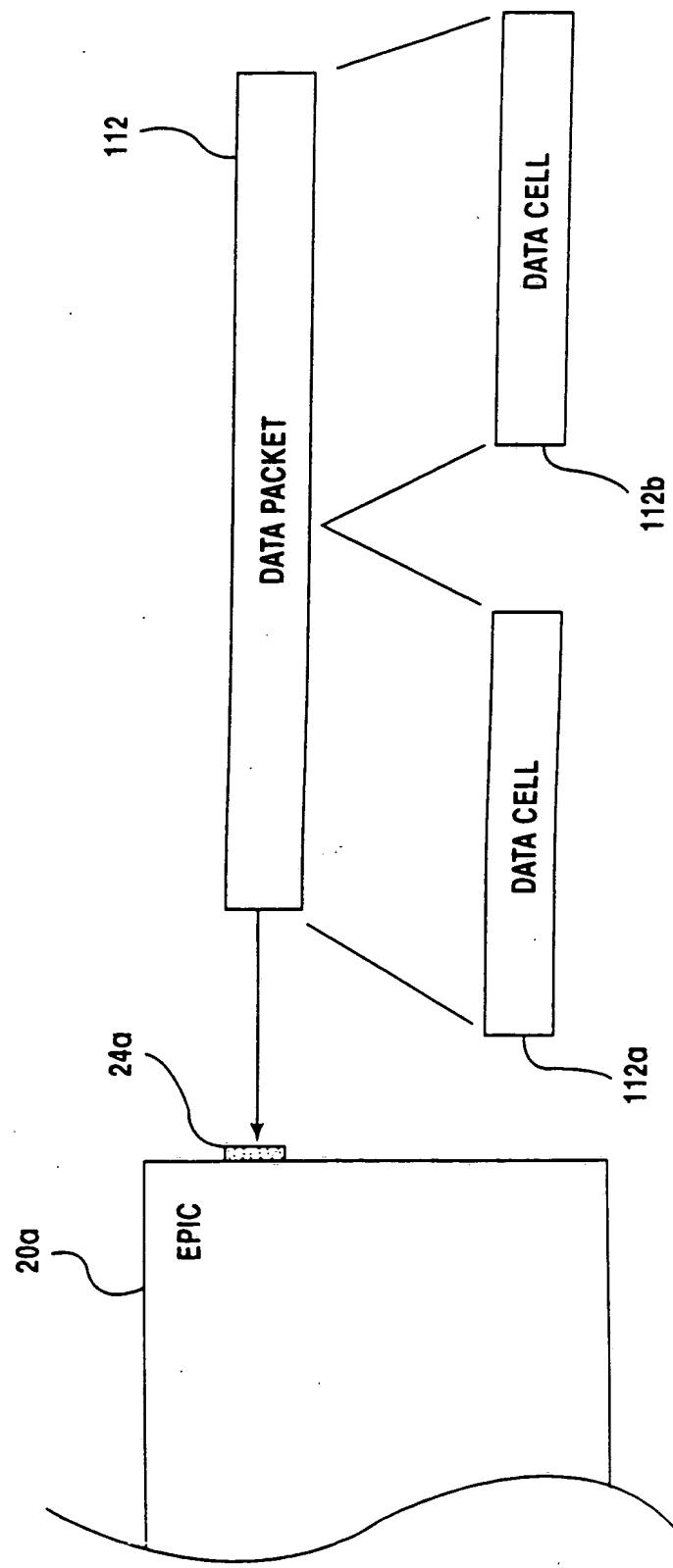
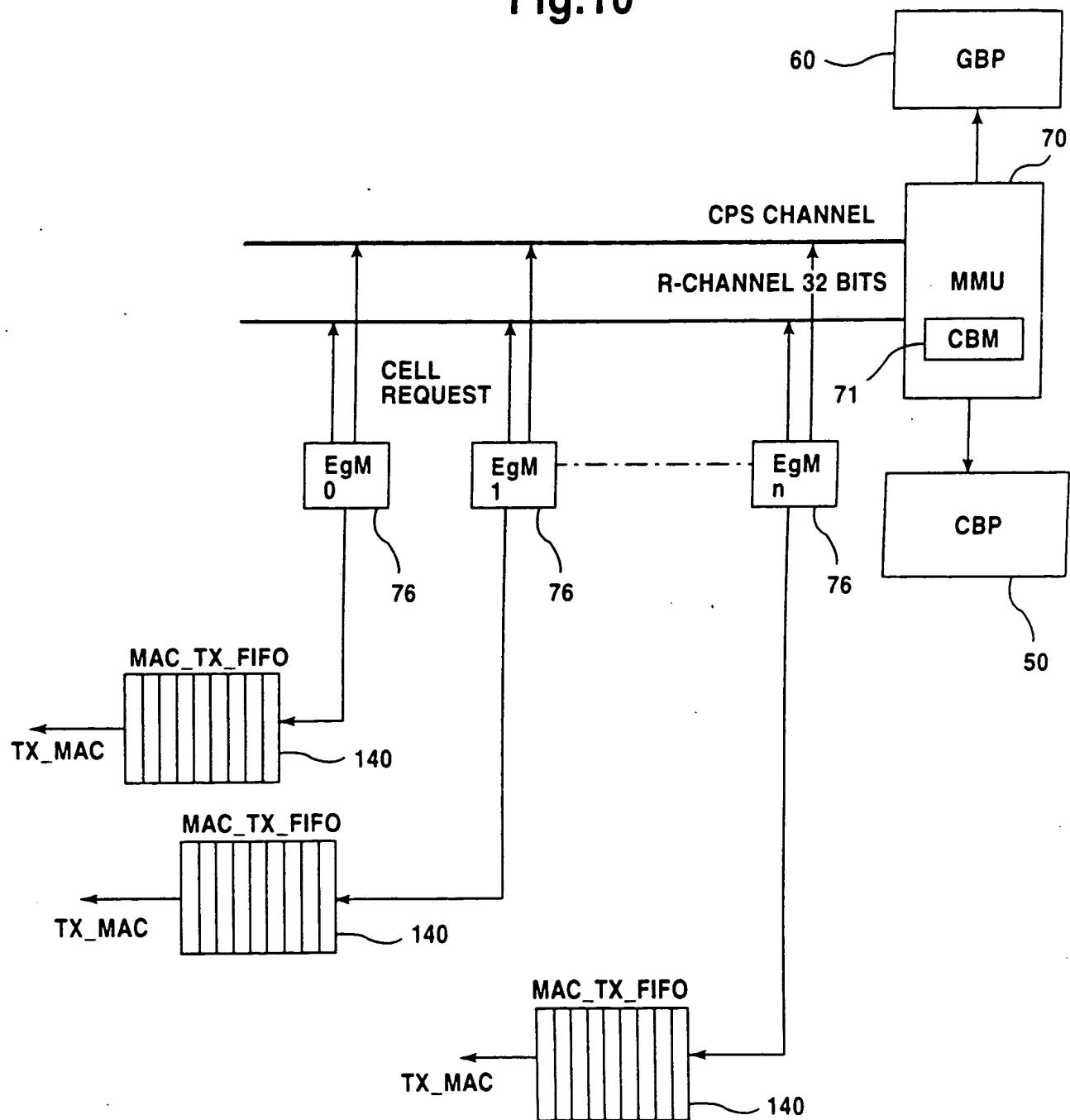


Fig.10



**Fig.11**

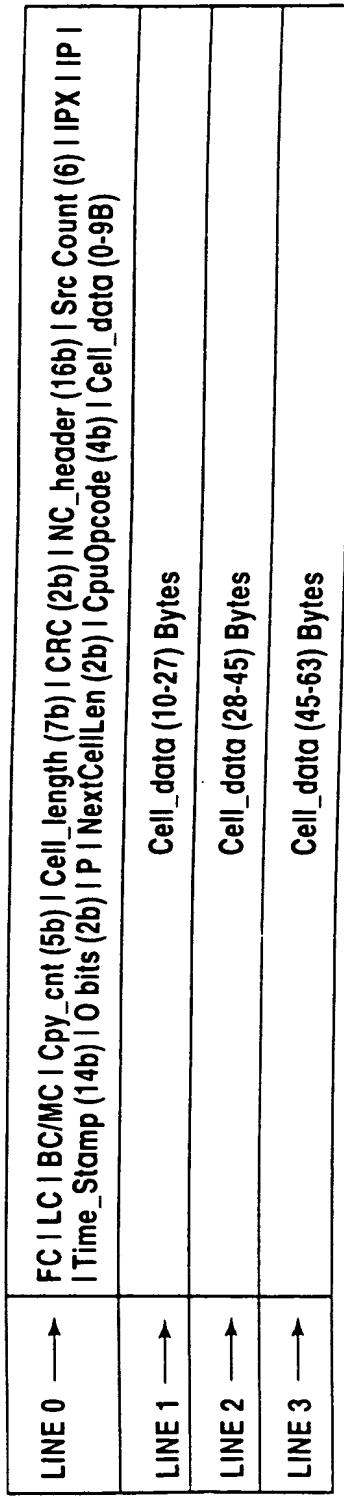


Fig.12

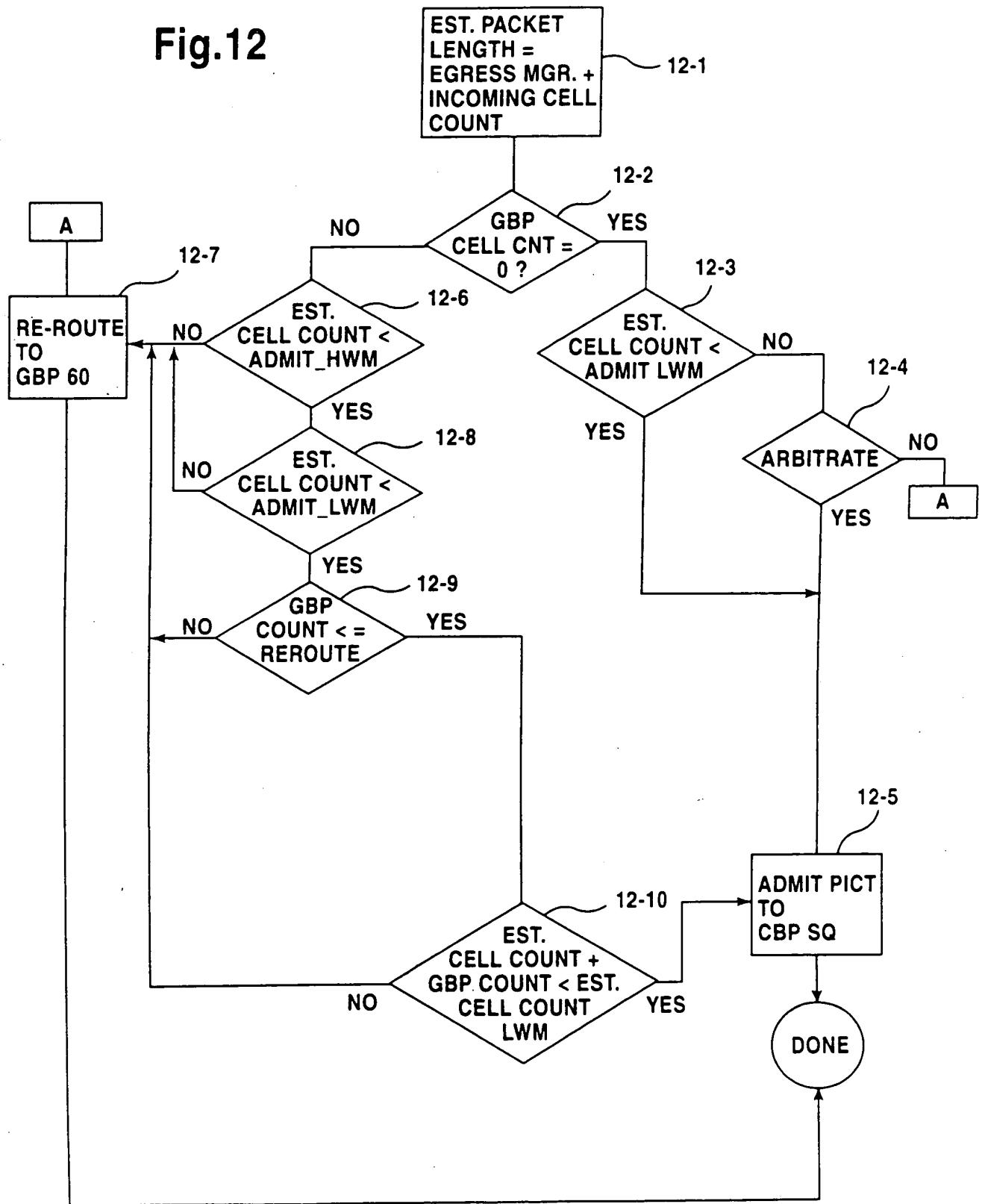


Fig.13

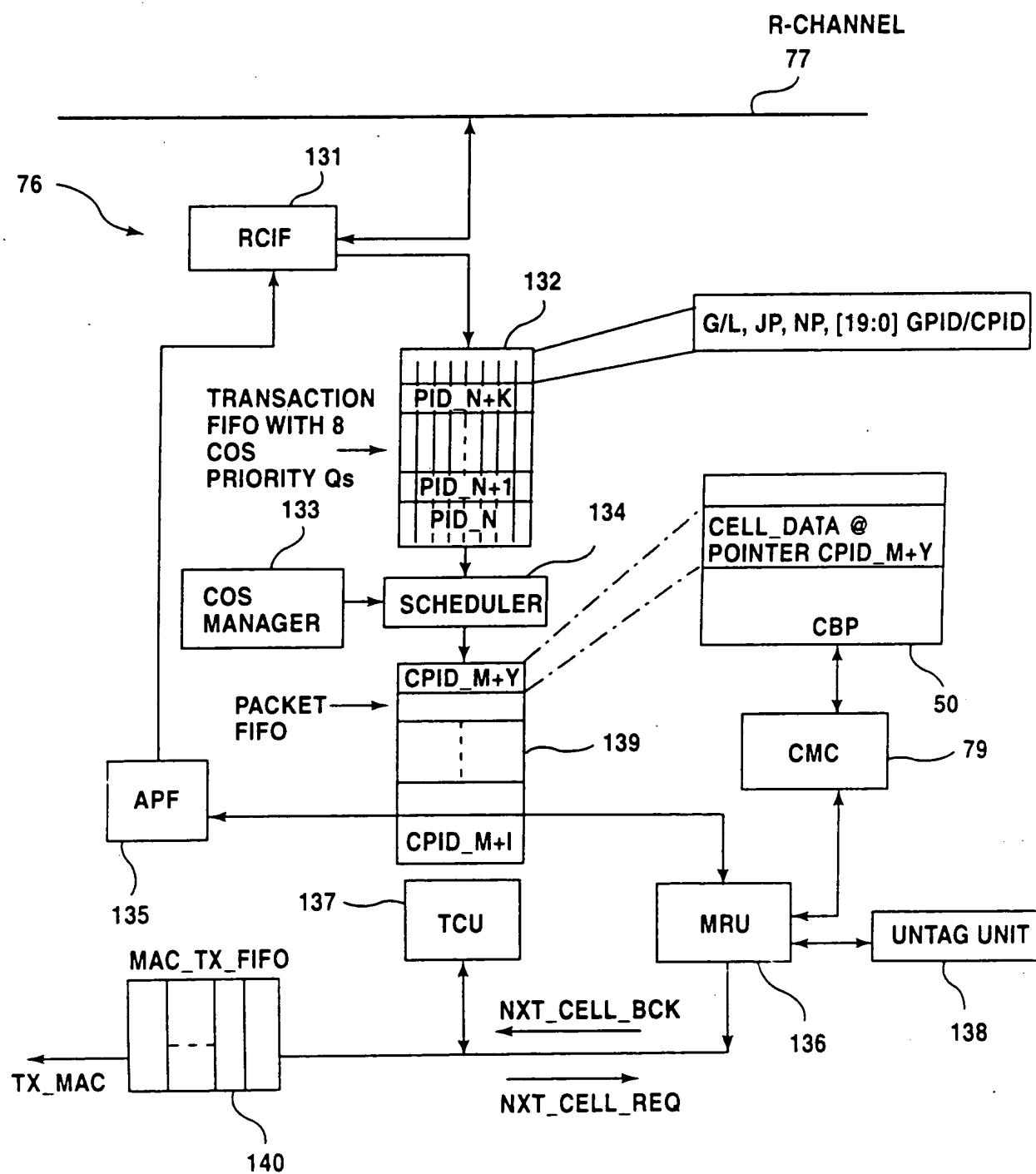


Fig.14

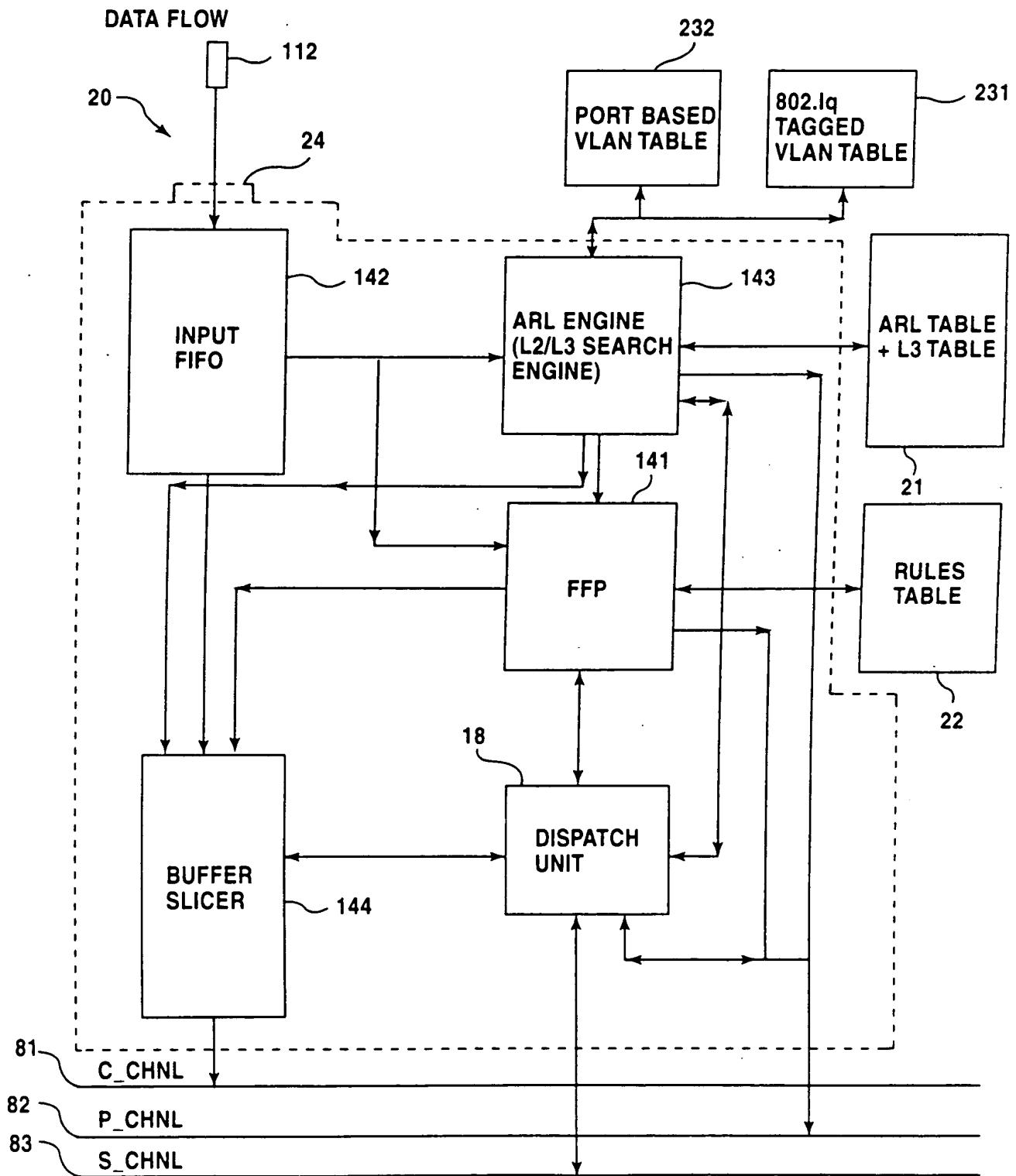


Fig.15

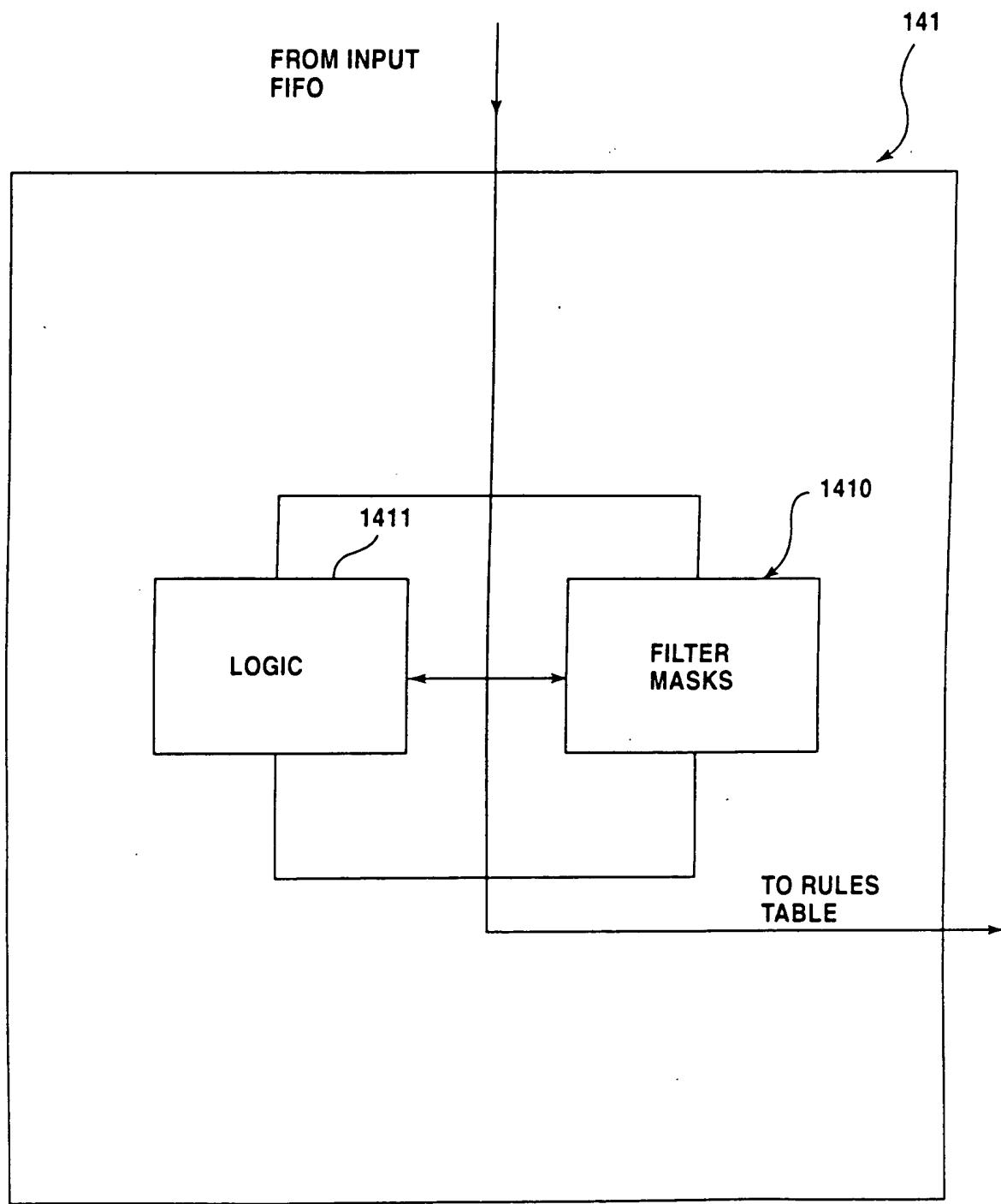


Fig.16

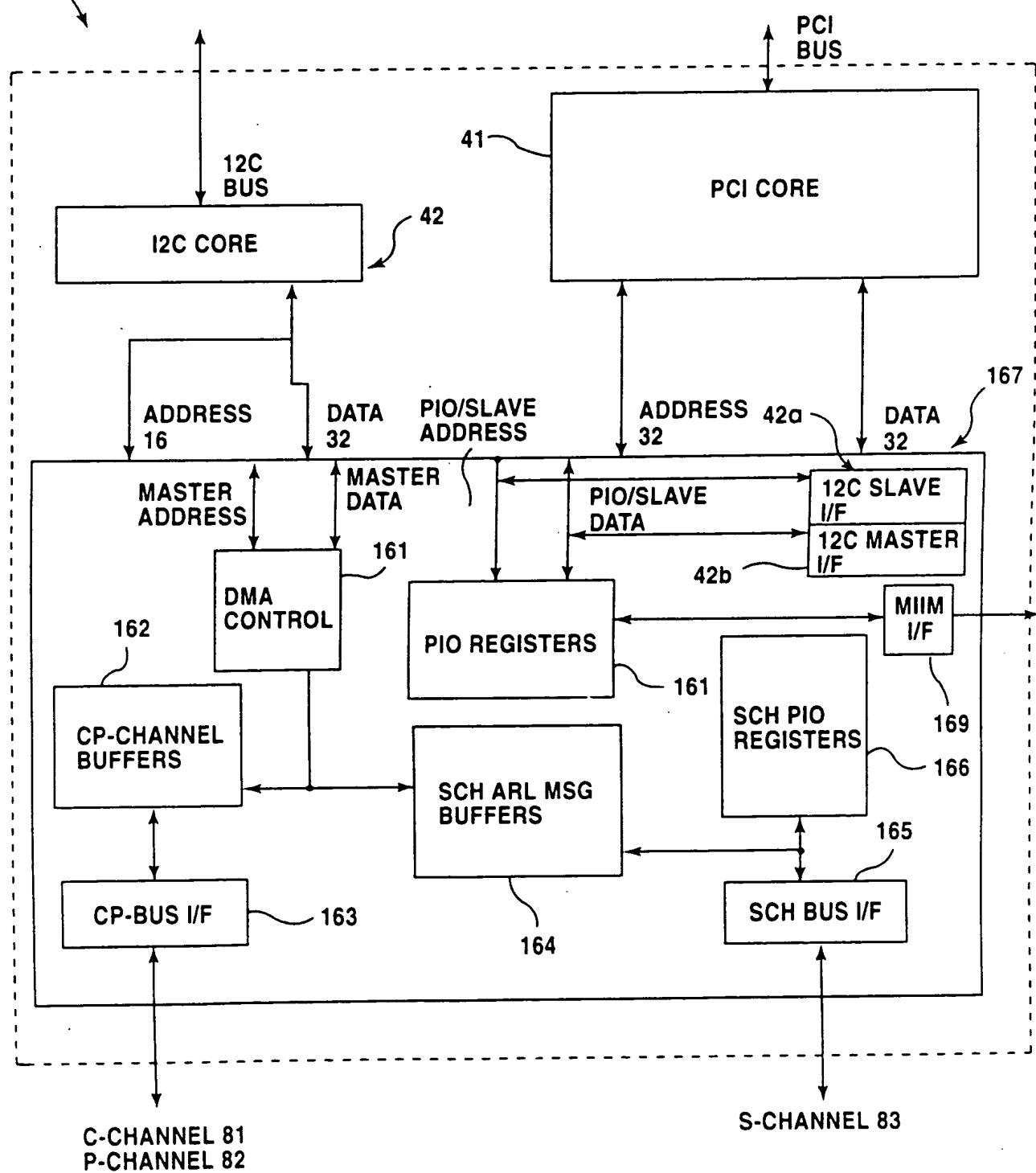


Fig.17

FFP PROGRAMMING FLOW CHART

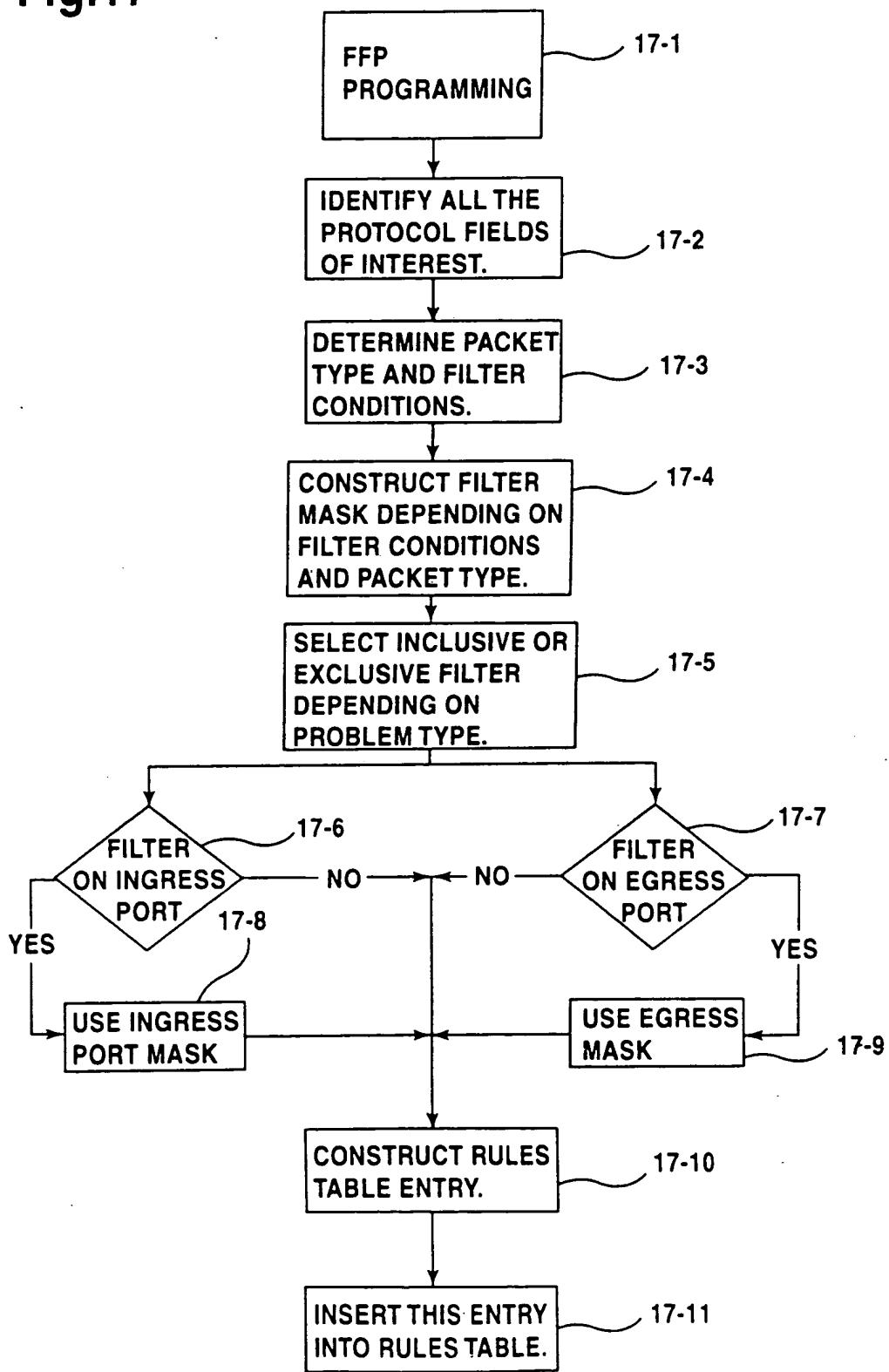
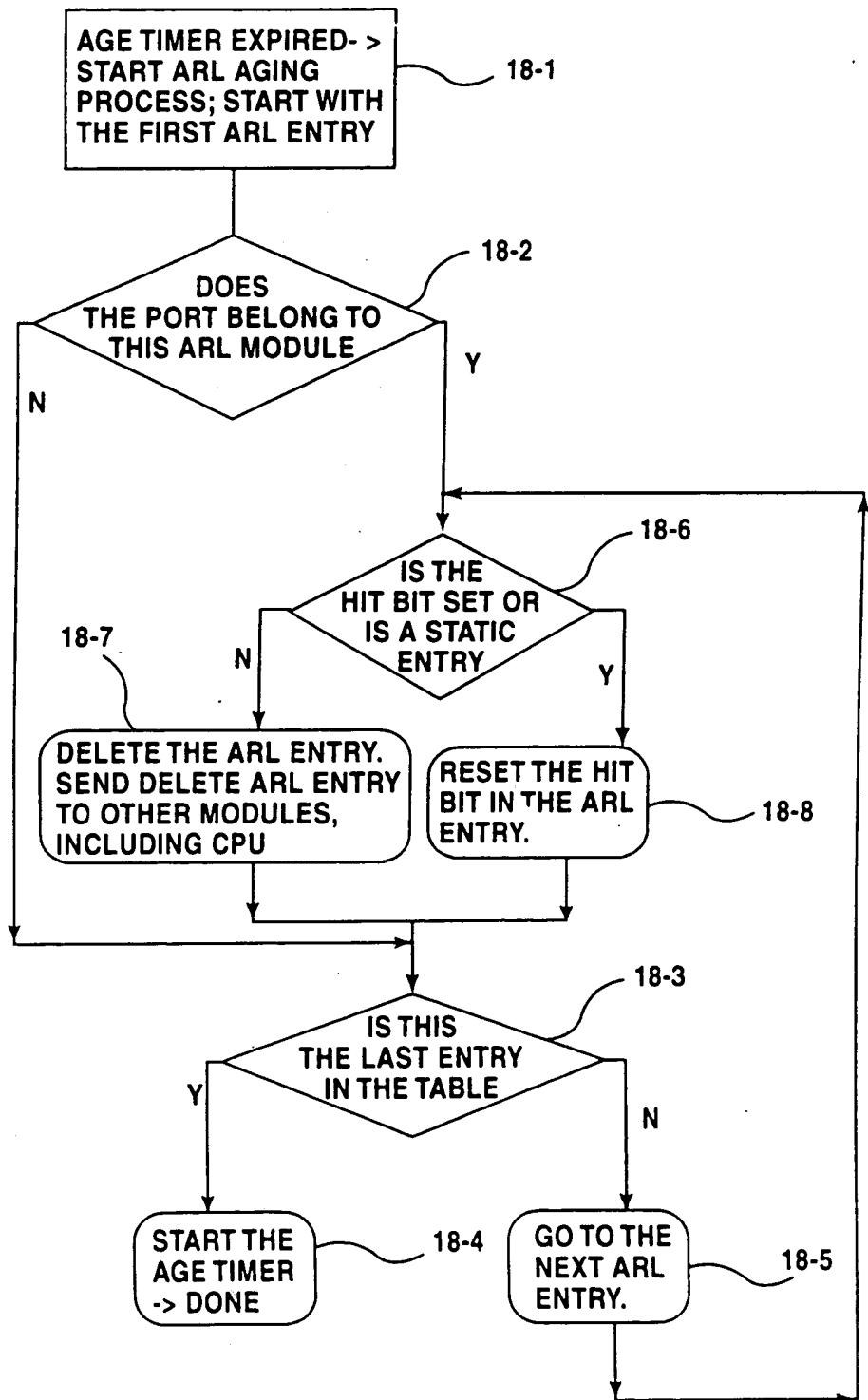
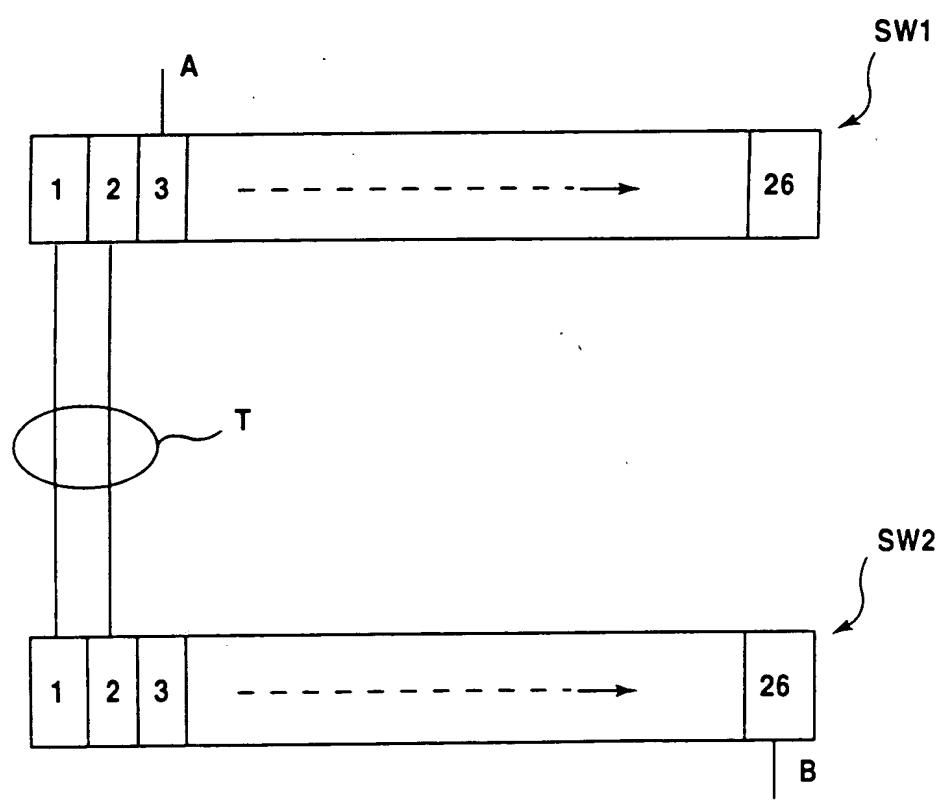


Fig.18



**Fig.19**



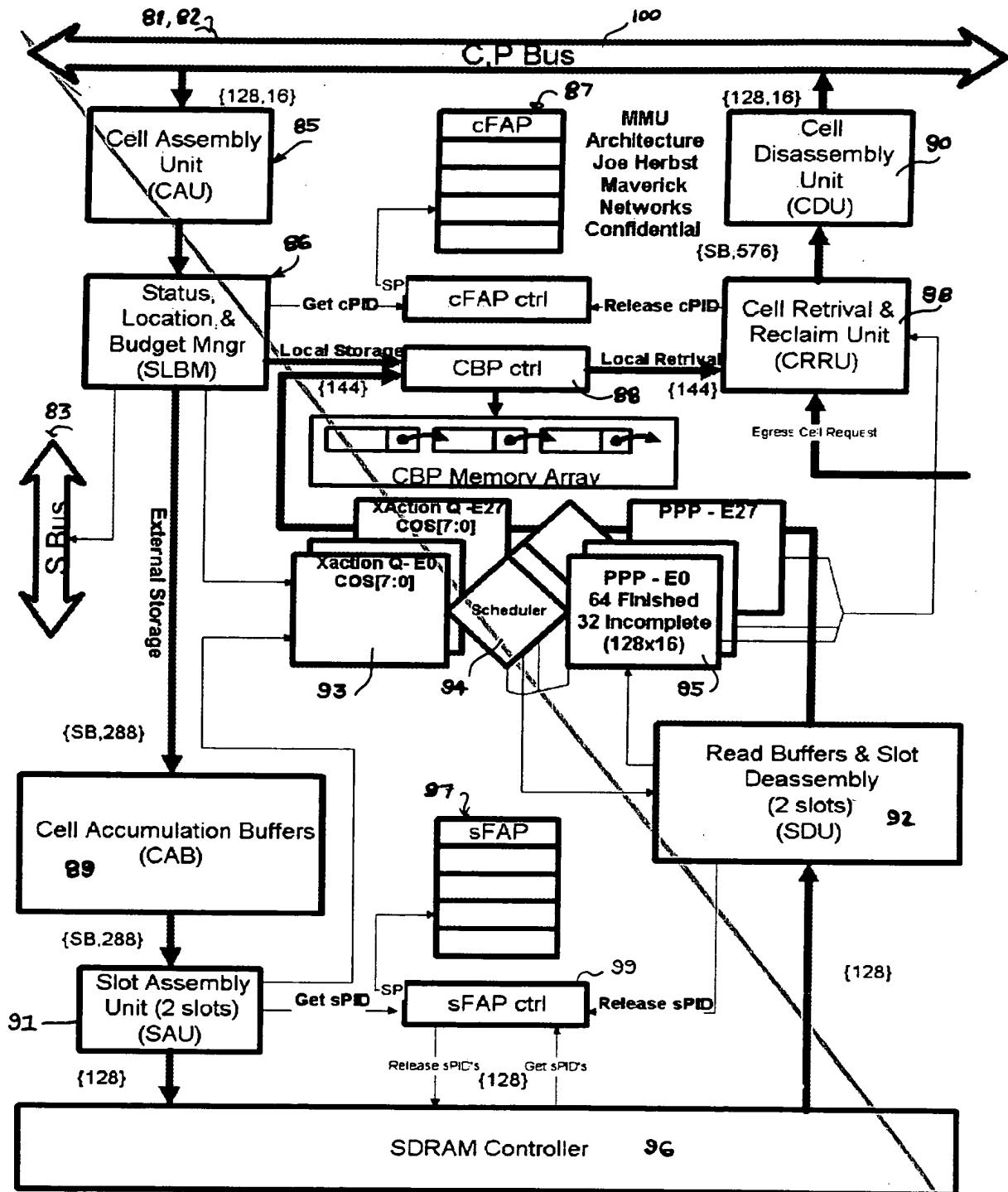


FIGURE 20

Subset Hunter

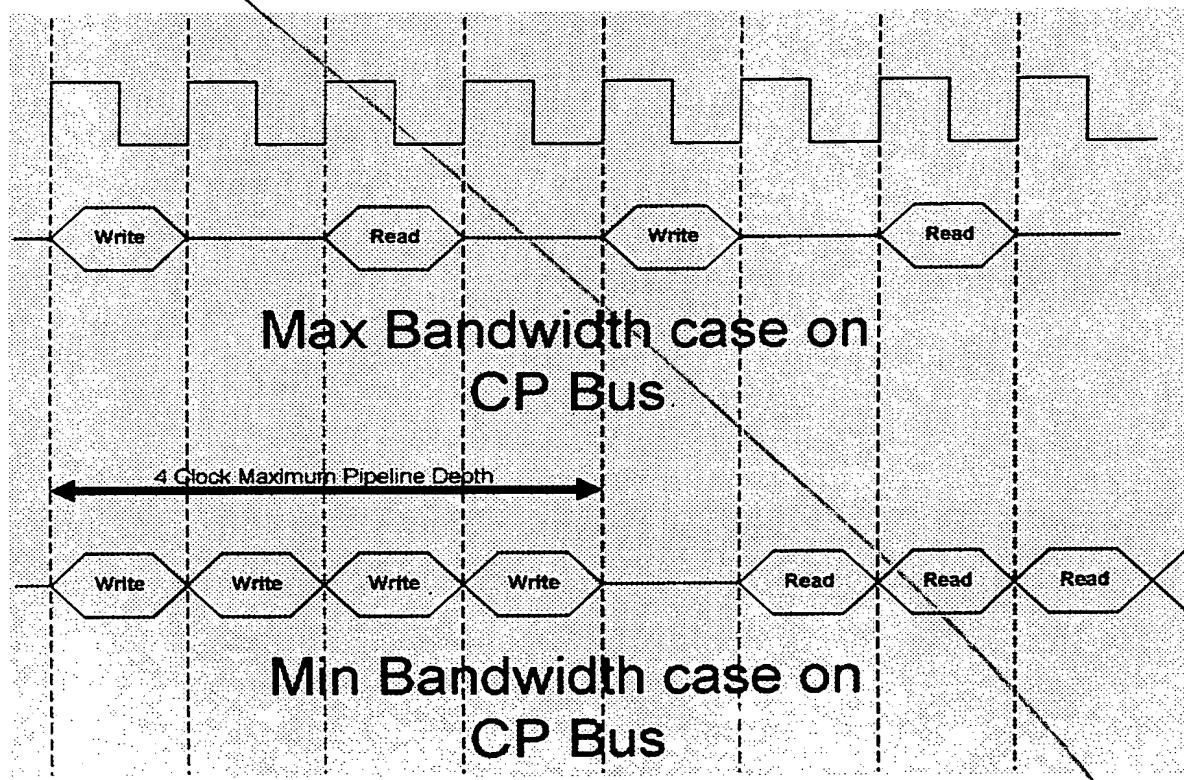


Figure 21

*Substituted*

## SFAP To SDRAM Scheduler Interface Timings

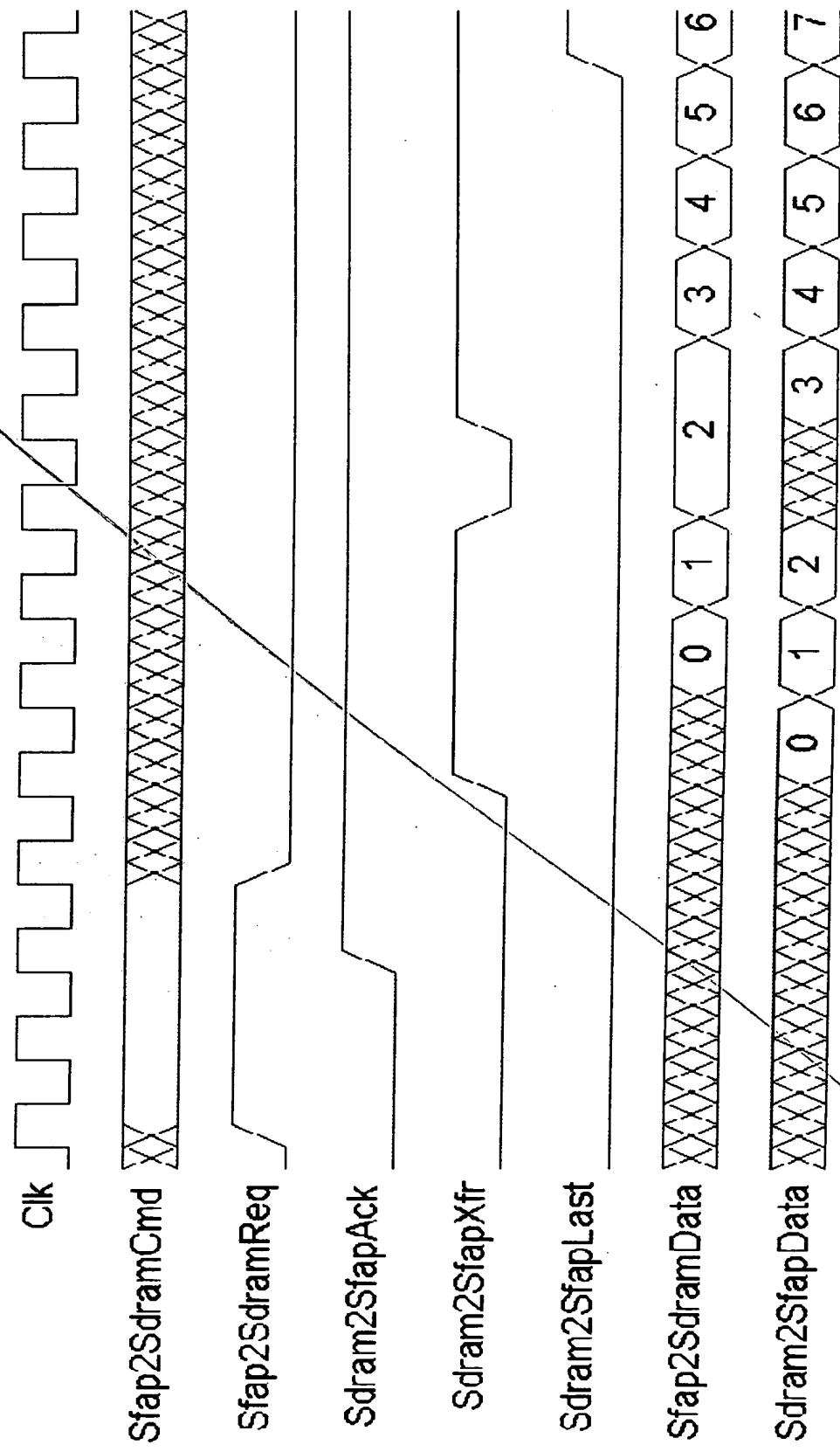
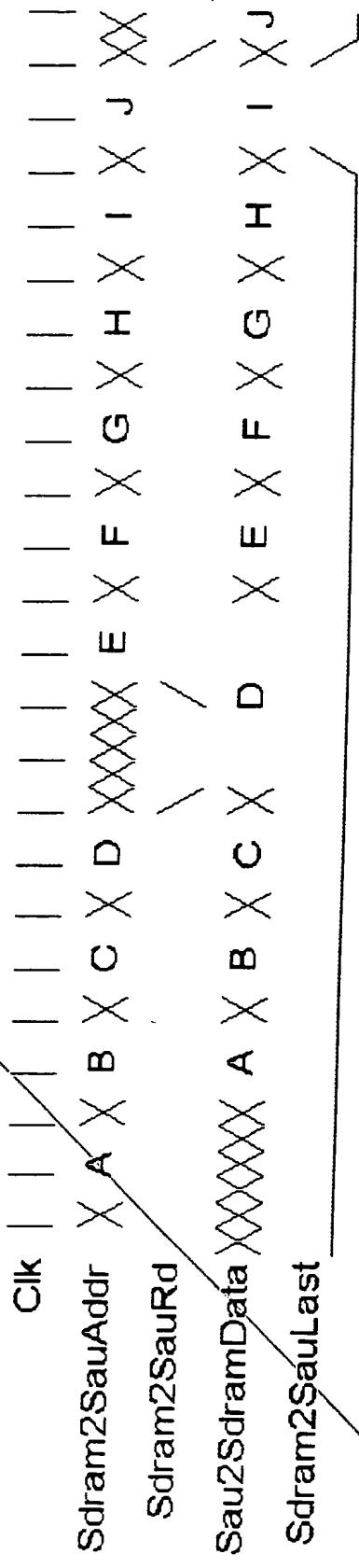


FIGURE 22

FIGURE 23  
SAU to SDRAM Scheduler Data Transfer



### SDRAM Scheduler to SDU Data Transfer

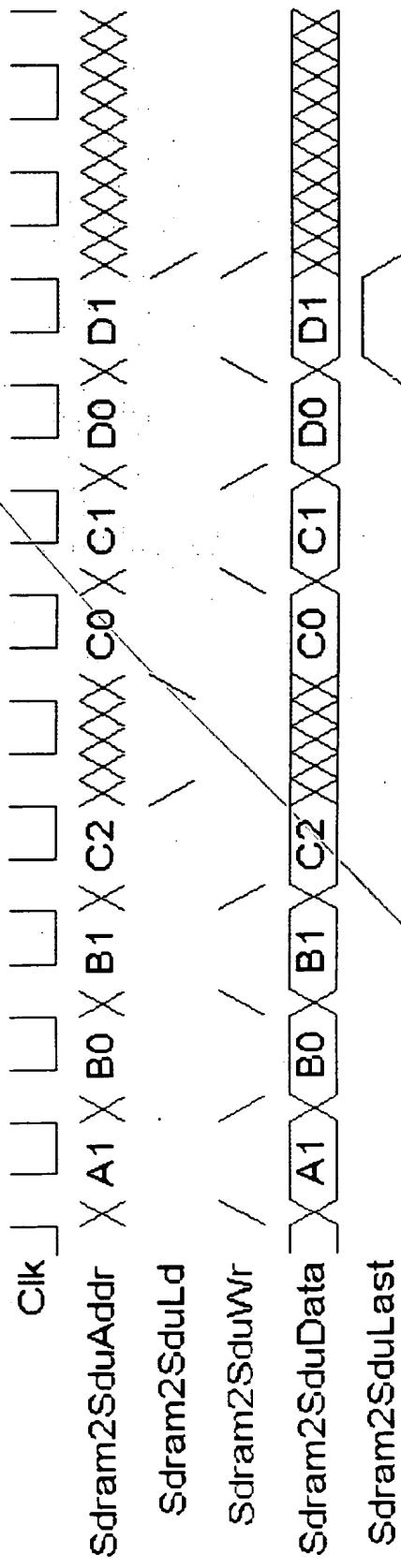
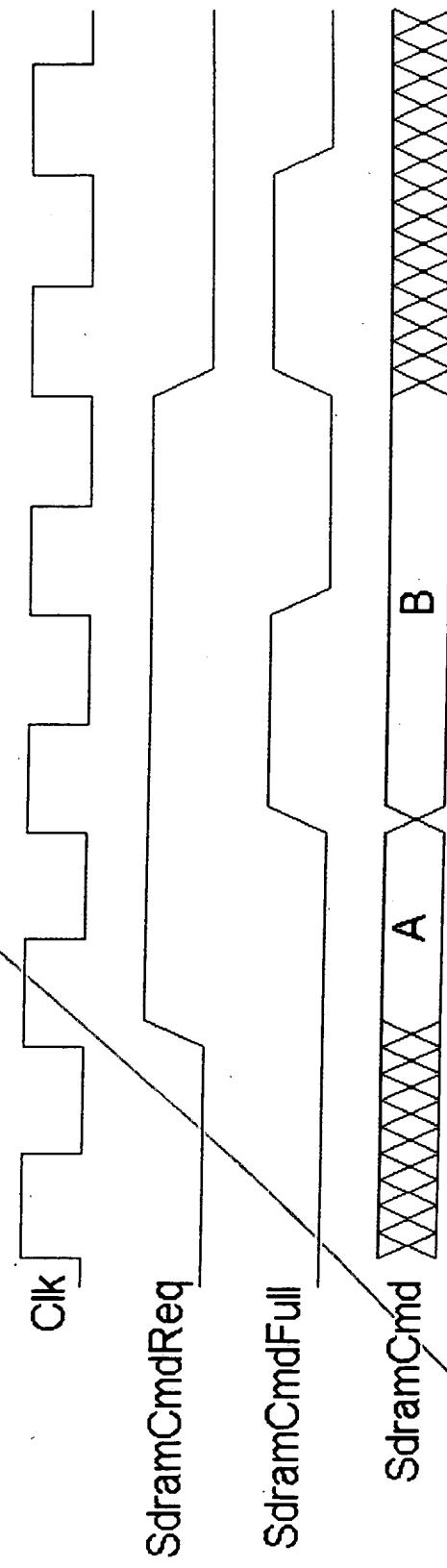


FIGURE 24

FIGURE 25

## SDRAM Controller Interface Timing

SDRAM Controller Command Input FIFO



## SDRAM Controller Data Write FIFO

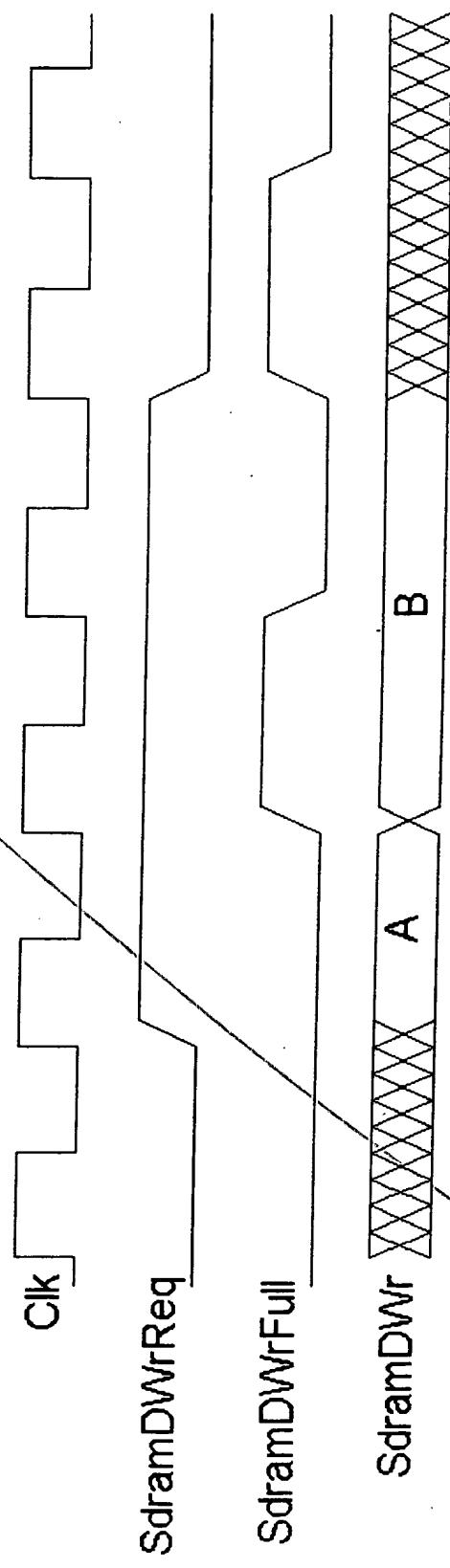
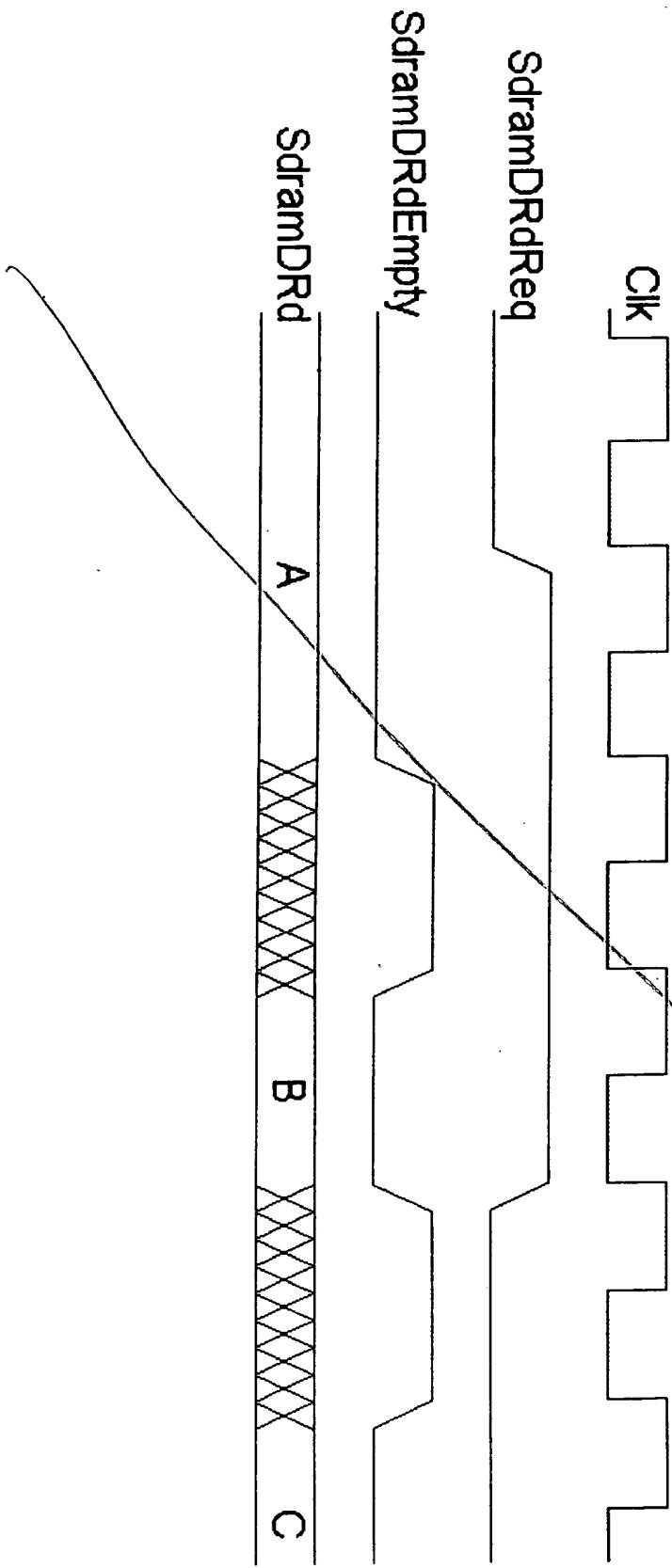


FIGURE 26

FIGURE 27

**SDRAM Controller Data Read FIFO**



Field	Left	Right	Bits
Src	310	306	5
CPUOpcode	305	302	4
BC/MC Bitmap	301	270	32
Cos	269	267	3
P	266	266	1
FC (S)	265	265	1
LC (E)	264	264	1
CRC	263	262	2
Len (0 = 64)	261	256	6
O	255	254	2
BC/MC	253	253	1
Copy Count (0 = 32)	252	248	5
Untagged Bitmap	247	216	32
IP	215	215	1
IPX	214	214	1
Time Stamp	213	200	14
Cell Data Bytes 24-0	199	0	200
Total			311

**FIGURE 28**

Cell Size	SAU Words	SDRAM Words
0 0	1	2
0 1	1	3
1 0	2	4
1 1	2	5

**Figure 29**

Field	Left	Right	Bits	First Only
Last Slot	313	313	1	X
Next Slot ID	312	297	16	X
Copy Count	296	292	5	X
CPUOpcode	291	288	4	
Cell Size	287	286	2	
P	285	285	1	
FC	284	284	1	
LC	283	283	1	
CRC	282	281	2	
Len	280	275	6	
O	274	273	2	
BC/MC	272	272	1	
IP	271	271	1	
IPX	270	270	1	
Time Stamp	269	256	14	

**Figure 30**

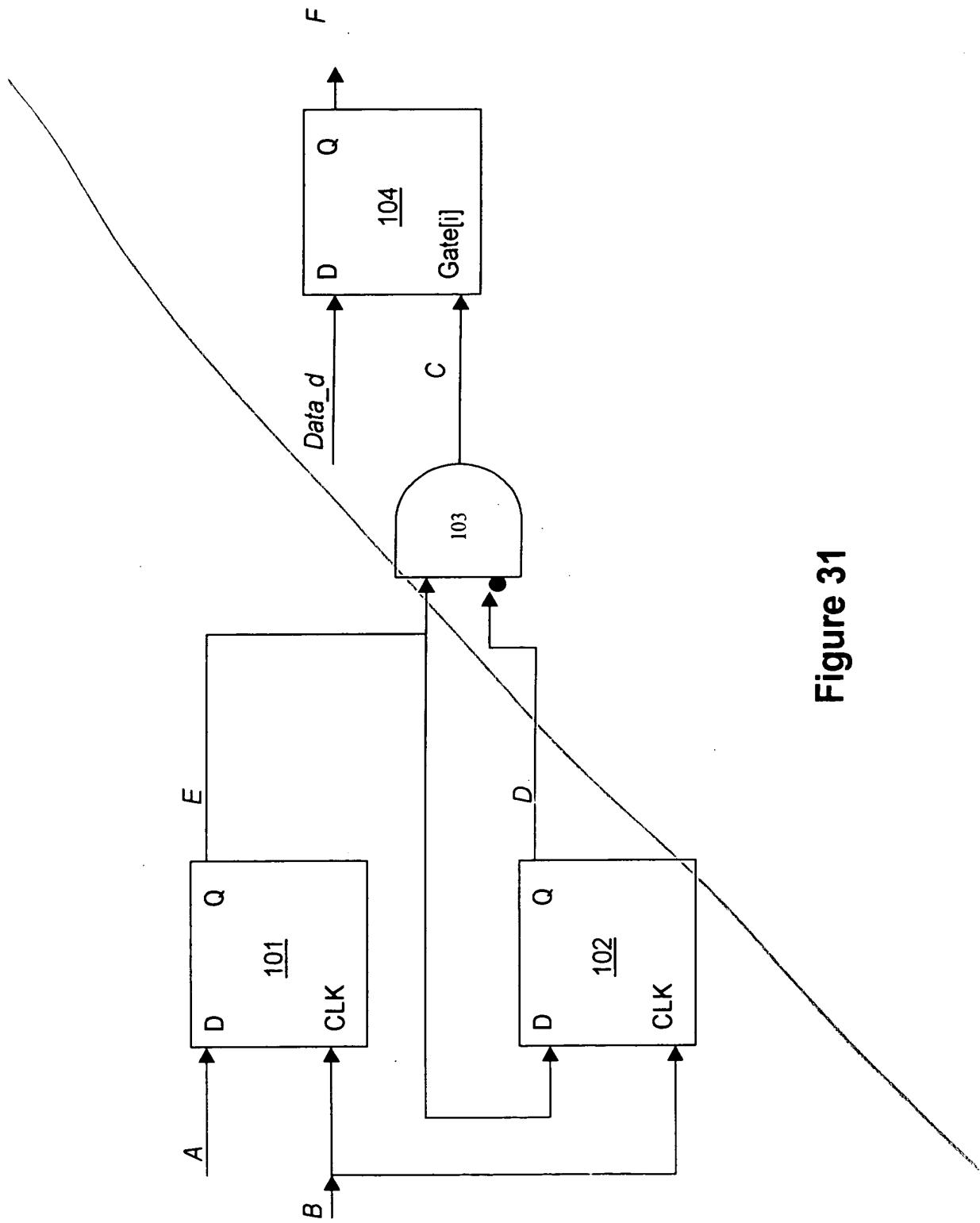
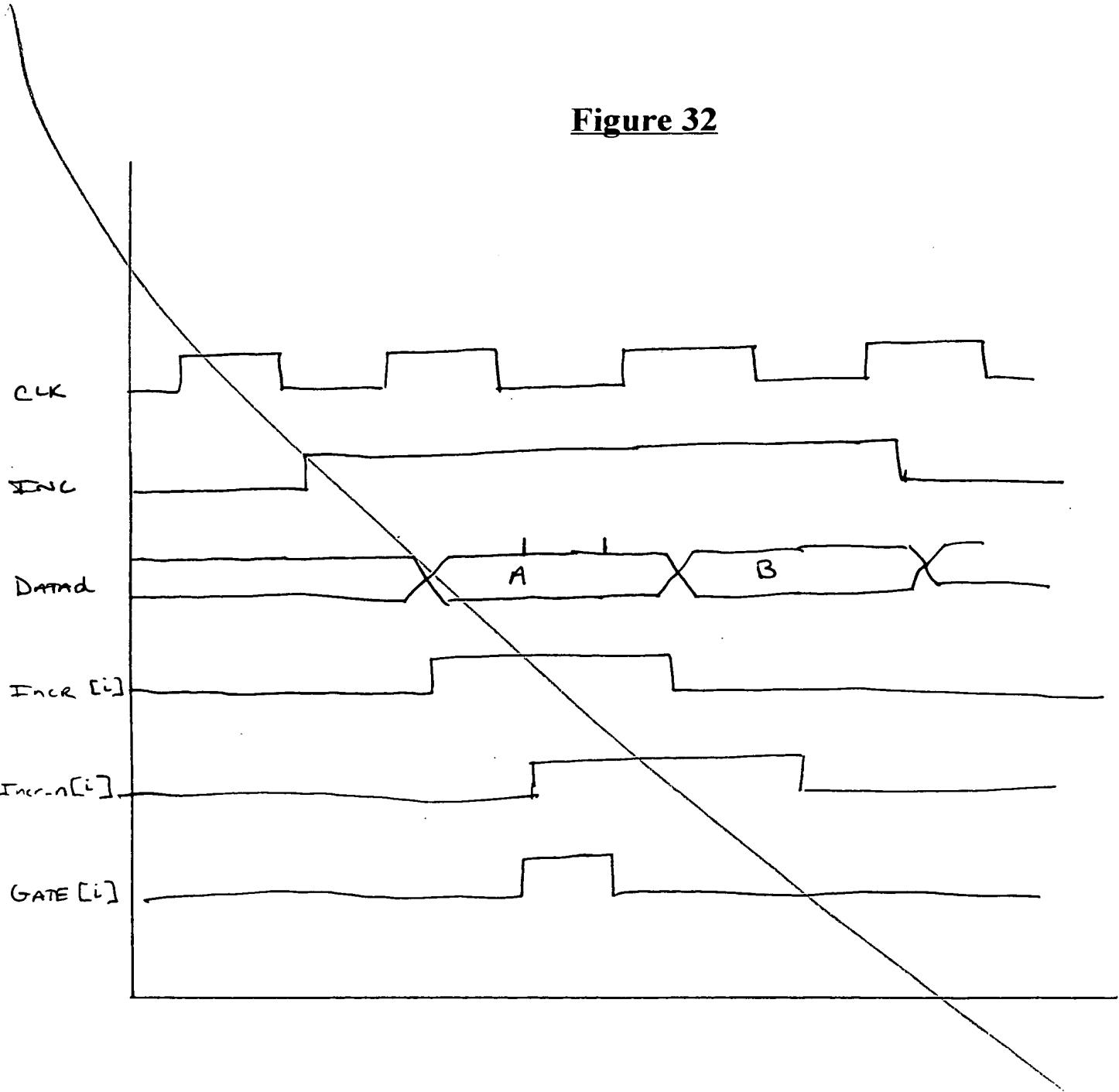


Figure 31

Figure 32

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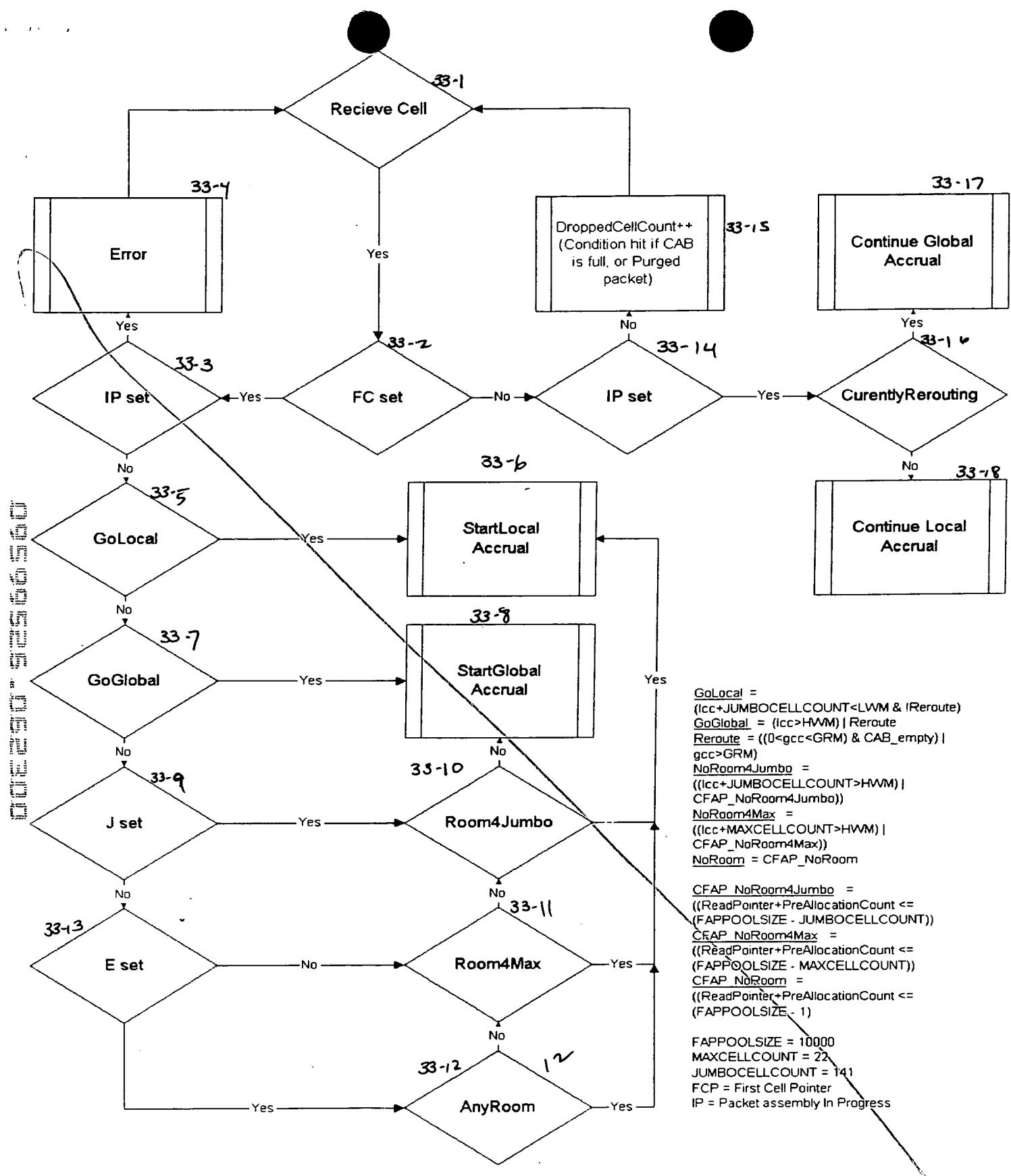


Figure 33

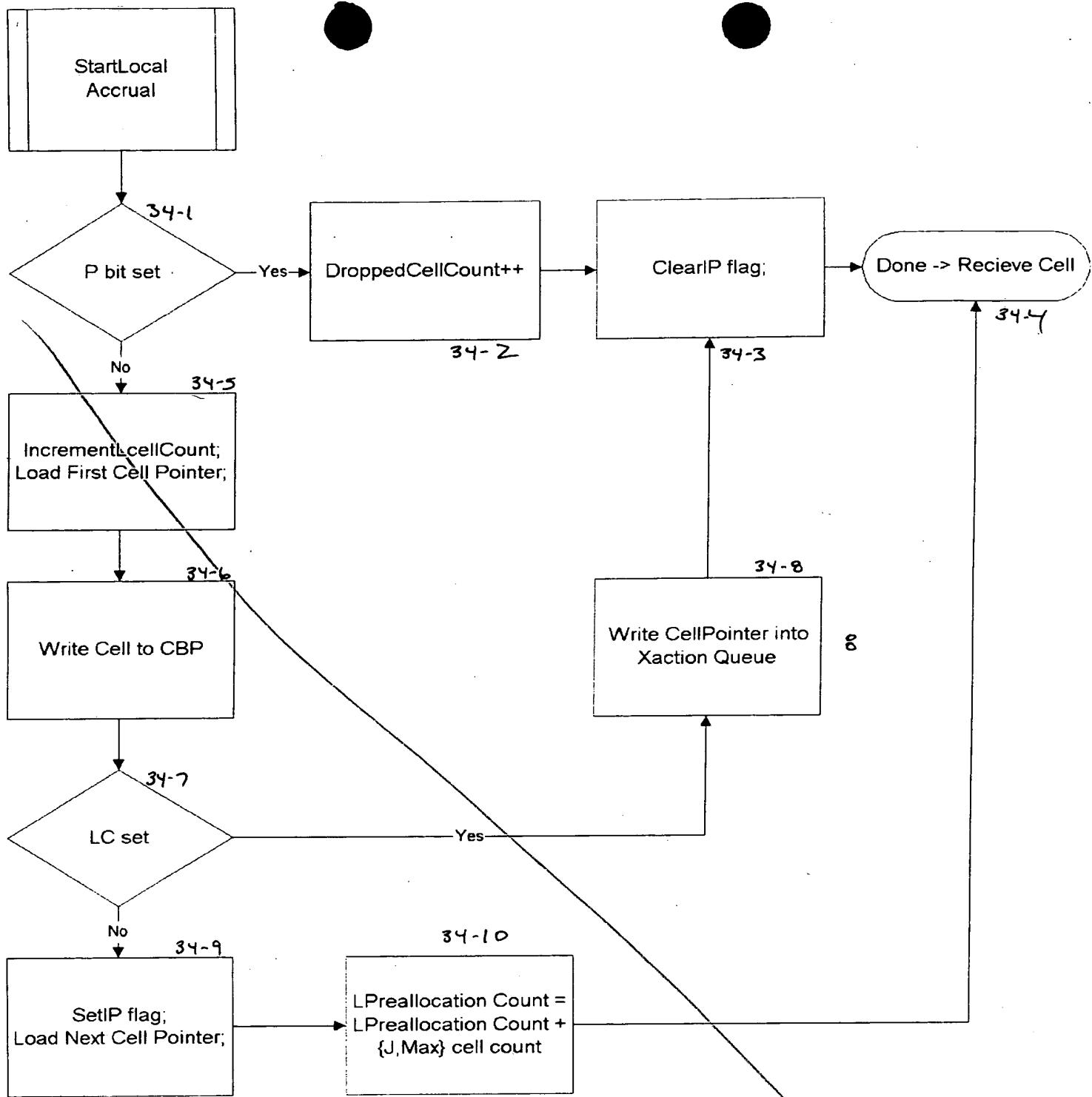


Figure 34

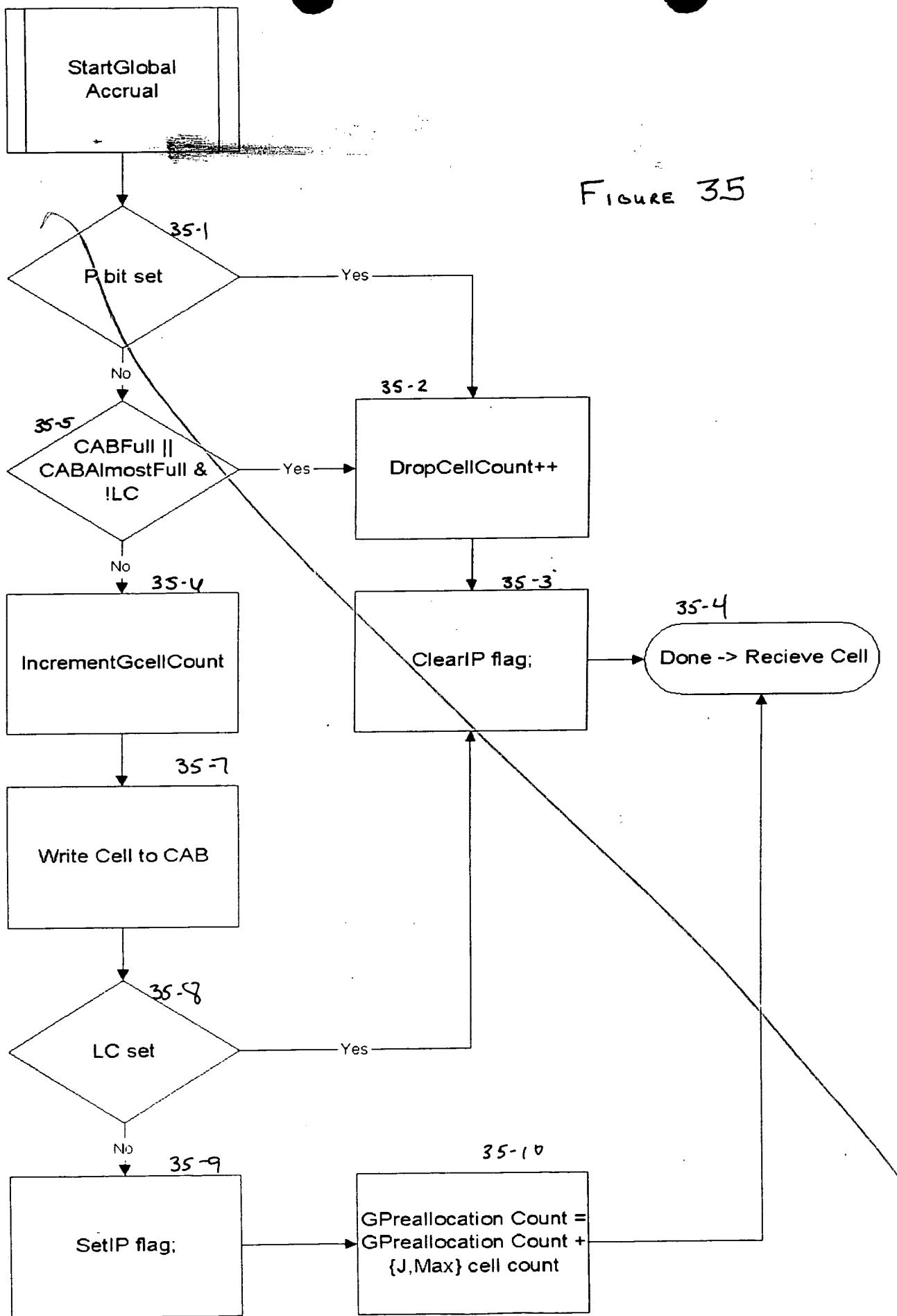


FIGURE 35

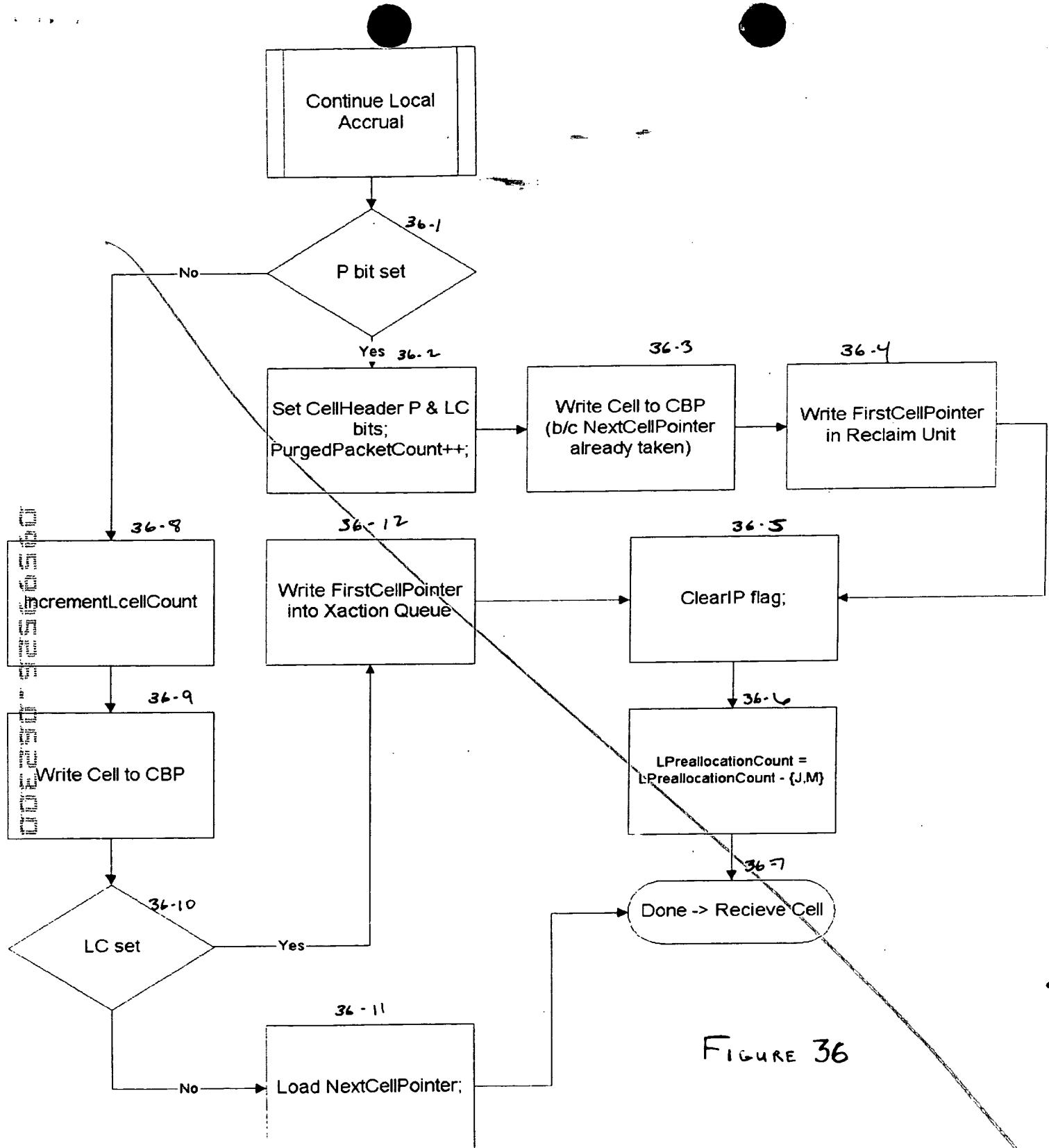


FIGURE 36

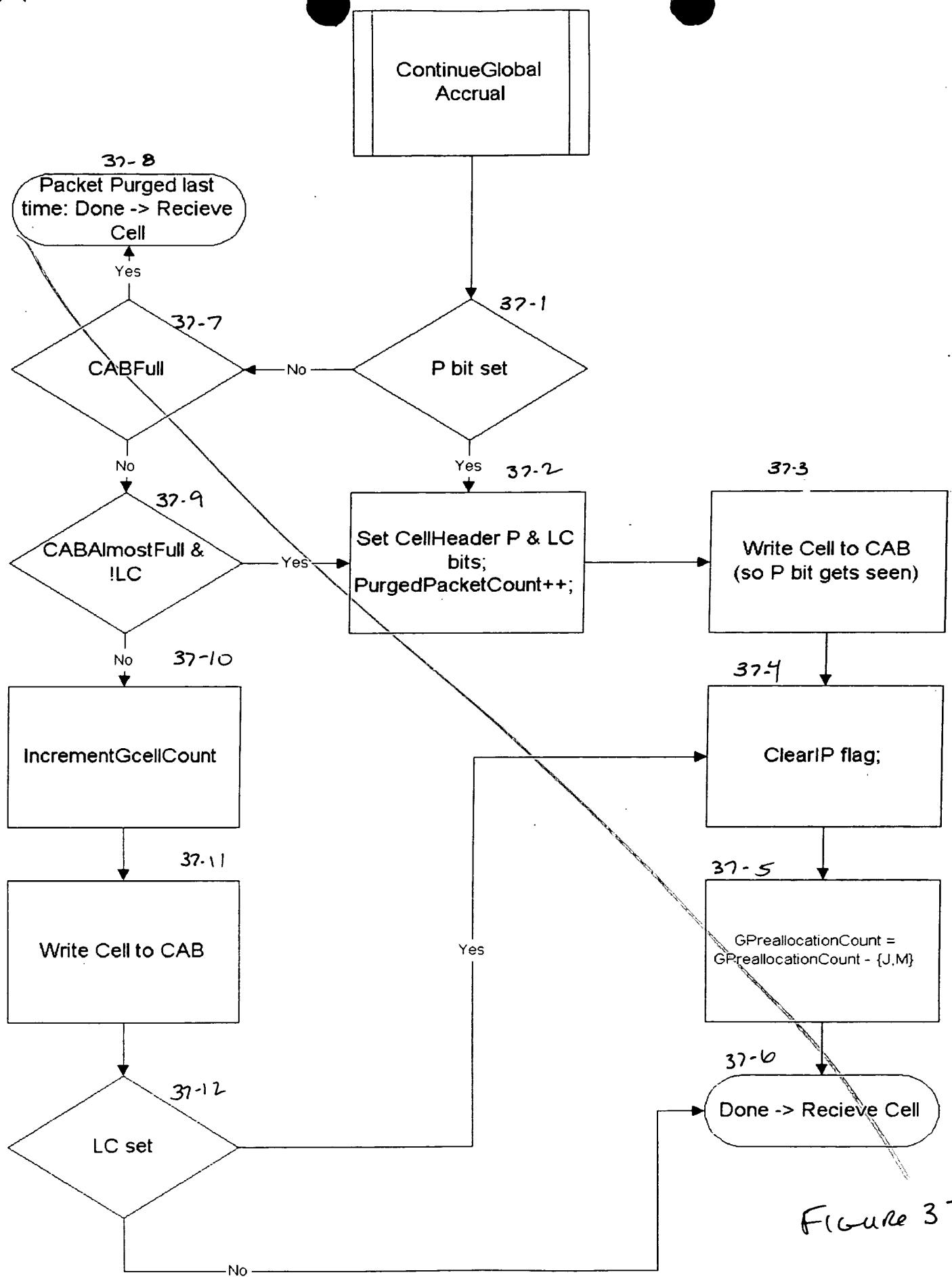
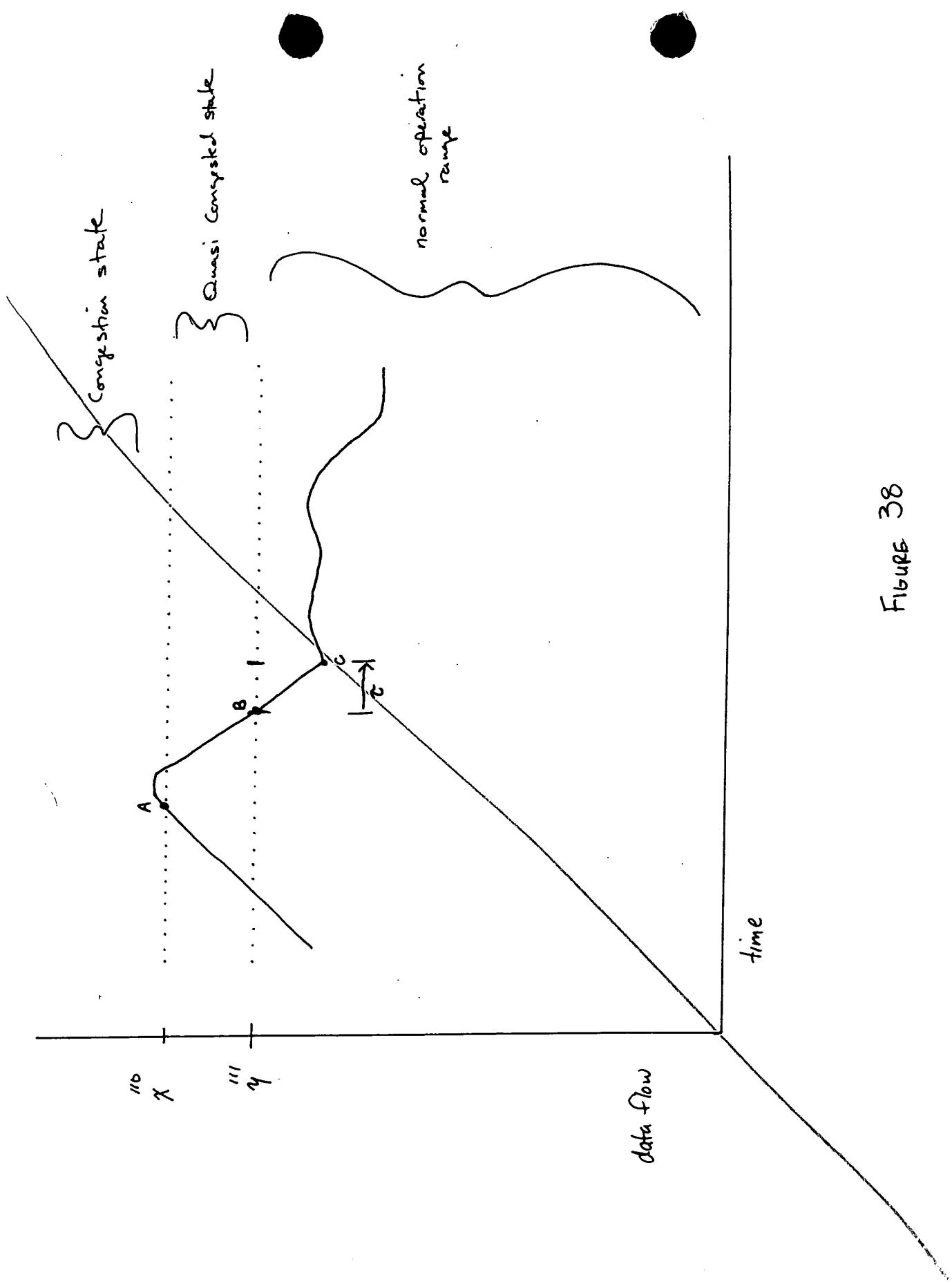
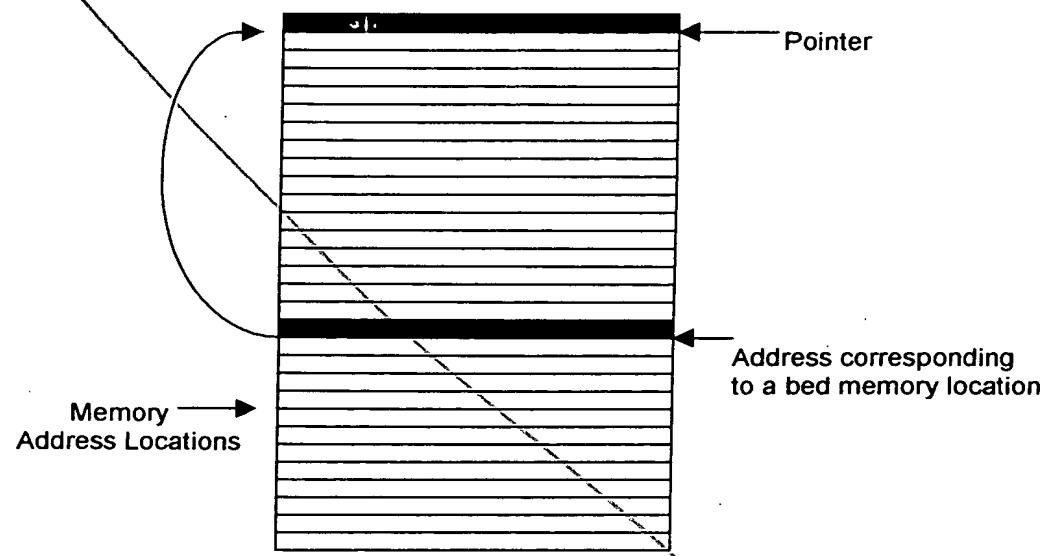


Figure 38





**Figure 39**